

# Headway

# Academic Skills

Reading, Writing, and Study Skills

**LEVEL 2** Student's Book

OXFORD

**Sarah Philpot**

Series Editors: Liz and John Soars

# Headway

---

# Academic Skills

Reading, Writing, and Study Skills

**LEVEL 2** Student's Book

**Sarah Philpot**

Series Editors: Liz and John Soars

OXFORD

# CONTENTS

## 1 International student

**READING** Going abroad to study p 4–6  
Following instructions: *filling in forms*  
Reading methods: *skim; scan; intensive reading; extensive reading*

**WRITING** A host family p 7  
Checking your writing: *error correction – punctuation and spelling*  
**Writing an informal email**

## 2 Where in the world...?

**READING** Three countries p 10–11  
Skimming and scanning: *reading for the general idea, and for particular information*

**WRITING** My country p 12–13  
Brainstorming ideas: *topic areas and examples; completing a paragraph*  
Linking ideas (1): *but, however, although*  
**Writing a description of my country**

## 3 Newspaper articles

**READING** An unexpected journey p 16–17  
Predicting content: *using the title and the pictures*  
Meaning from context: *guessing the meaning of new words*

**WRITING** Mistaken identity p 18–19  
Sentences/Paragraphs: *helping your writing flow*  
Varying the structure: *making writing interesting*  
**Writing an article p 21**

## 4 Modern technology

**READING** Innovations p 22–23  
Identifying the main message: *using topic sentences to identify paragraph content*

**WRITING** Technology – good or bad? p 24–25  
Organizing ideas (1): *planning the arguments for and against*  
Linking ideas (2): *first, for instance, in conclusion ...*  
**Writing a discursive essay**

## 5 Conferences and visits

**READING** A conference in Istanbul p 28–30  
Purpose and audience (1 and 2): *using visual and written clues*

**WRITING** Invitations p 31  
Using formal expressions: *writing academic emails and letters*  
**Writing a formal email**

## 6 Science and our world

**READING** Air pollution p 34–35  
Making notes: *organizing, recording, and remembering important information*  
Interpreting meaning: *recognizing fact and speculation*

**WRITING** Trends p 36–37  
Paraphrasing and summarizing: *using other sources*  
**Writing a summary**

## 7 People: past and present

**READING** Three famous writers p 40–41  
Using original sources: *dealing with difficult language and unknown vocabulary*

**RESEARCH** Information on the Net p 42–43  
Using the Internet: *search engines; online encyclopaedias; subject directories*  
Developing a search plan: *making a search efficient and reliable*

## 8 The world of IT

**READING** Computers p 46–47  
Rephrasing and explaining: *dealing with difficult scientific and technological words*  
Avoiding repetition (2): *pronouns and what they refer to*

**WRITING** IT – benefits and drawbacks p 48  
Linking ideas (3): *cause and result*  
Coherent writing: *writing up notes*  
**Writing from notes**

## 9 Inventions, discoveries, and processes

**READING** How things work p 52–53  
Intensive reading: *strategies for focusing your reading*  
Linking ideas (4): *sequencing words to describe a process*

**WRITING** How things are made p 54  
The passive voice: *writing in a neutral style*  
Clarifying a sequence: *describing a process*  
**Writing a description of a process**

## 10 Travel and tourism

**READING** International tourism p 58–59  
Interpreting data: *statistical information in graphs, charts, and texts*

**VOCABULARY DEVELOPMENT** Varying vocabulary (2) p 60  
Avoiding repetition (3): *describing graphs using synonyms, adjectives + nouns, verbs + adverbs*

---

**VOCABULARY DEVELOPMENT** Dictionary work p8

A dictionary entry: *understanding information about a word*  
Recording vocabulary (1): *word cards*

**REVIEW** p9

---

**VOCABULARY DEVELOPMENT** Organizing vocabulary (1) p14

Synonyms and antonyms: *recognizing synonyms and antonyms*  
Recording vocabulary (2): *diagrams; a scale; synonyms and antonyms; labelling a picture*

**REVIEW** p15

The definite article – *the*

---

**VOCABULARY DEVELOPMENT** Word-building (1) p20

Antonyms from prefixes: *making an opposite word using un-, in-, il-, im-, ir-*

**REVIEW** p21

---

**VOCABULARY DEVELOPMENT** Varying vocabulary (1) p26

Avoiding repetition (1): *using synonyms to vary your writing*

**REVIEW** p27

---

**VOCABULARY DEVELOPMENT** Word-building (2) p32

Suffixes: *identifying parts of speech*  
Prefixes: *changing the meaning of words*

**REVIEW** p33

---

**VOCABULARY DEVELOPMENT** Words that go together p38

Noun/Verb + preposition: *associated words*  
Using numbers: *numbers in writing*

**REVIEW** p39

---

**WRITING** Biographies p43–44

Adding extra information: *non-defining relative clauses*  
Organizing ideas (2): *structuring your ideas logically, e.g. chronologically*  
**Writing from research**

**REVIEW** Organizing vocabulary (2) p45

Topic vocabulary

---

**VOCABULARY DEVELOPMENT** e.g., etc. p49

Abbreviations (1 and 2): *how to write and say common abbreviations*

**REVIEW** p51

---

**RESEARCH** Crediting sources p50

Acknowledgements: *acknowledging book and website sources*

---

**RESEARCH** Reference books p55–56

Using indexes: *identifying keywords and categories for a search, and finding them in a reference book*

**REVIEW** Word-building (3) p57

Compound nouns  
Compound adjectives

---

**WRITING** Graphs and bar charts p61–62

Illustrating data: *using a graph or bar chart*  
Describing a graph or chart: *transforming data into text*  
**Writing about data**

**REVIEW** p63

---

**WORD LIST** p64–70

**PHONETIC SYMBOLS** p71

# 1 International student

**READING SKILLS** Following instructions • Reading methods

**WRITING SKILLS** Checking your writing • Writing an informal email

**VOCABULARY DEVELOPMENT** A dictionary entry • Recording vocabulary (1)

## READING Going abroad to study

1 Personal information often appears on documents, especially official documents. Use the ideas in the box to say what personal information is on ... ?

- a birth certificate
- a bank statement
- a driving licence
- an exam certificate

name    date of birth    address    parents' names  
grades    driver number    account number  
name of school or university    place of birth

2 Simon Elliot lives in Geneva, Switzerland. He is returning to the UK to study. Answer the questions.

- 1 Label the documents. Which is ... ?
  - a passport
  - a formal letter
  - an informal letter
  - an application form
- 2 Where is Simon going?
- 3 What is he going to study?
- 4 Who is John?

c

Apartment 25,  
Lac de Lemman Building,  
Geneva,  
Switzerland

email [simon.elliott@gen.com](mailto:simon.elliott@gen.com)

Dear John,

Just writing to let you know that I've got a place at West London University to do my MSc! So, I'm finally coming back to London. I'm really looking forward to seeing you again. I'm not sure where I'll be living. I'm applying for accommodation with a host family - that way I won't have to cook! I just hope that there's a vegetarian family available. As soon as I know my new address, I'll email or ring you, and we can meet! Do you like the photos I've sent? Do you remember ...

a

University of  
**WEST LONDON**

Apartment 25,  
Lac de Lemman Building,  
Geneva,  
Switzerland

Dear Mr Elliot,

We have pleasure in offering you a place at the University of West London to study for a Master's degree (MSc) in Applied Biochemistry. The academic year commences on 10 October and classes start ...

d

United Kingdom of Great Britain and Northern Ireland

Passport

Passport No  
012234556



Surname  
ELLIOT  
Given names  
SIMON  
Nationality  
BRITISH CITIZEN  
Date of birth  
22 OCTOBER 1989  
Date of issue  
06 JUNE 2010  
Date of expiry  
05 JUNE 2020

- 3 Look at the application form. What is it for?
- 4 Read the documents on page 4. Use the information to complete the application form for Simon.

**Read STUDY SKILL**

**STUDY SKILL** Following instructions

When filling in official documents, it is important to read and follow the instructions carefully, for example:

- Use black ink only.
- Please **print** / Write in BLOCK CAPITALS.
- Tick ✓.
- Please specify (give more details).
- Delete (cross out) as appropriate.
- Circle the correct answer.

b

University of  
**WEST LONDON**

*Please print.  
Use black or blue ink only.  
Tick (✓) the relevant boxes.*

Application for Accommodation

Family name Elliot

First name(s) \_\_\_\_\_

Male/Female (Delete as appropriate) Single  Married

Children Yes  No  Number

Date of birth  /  /  Nationality \_\_\_\_\_

Passport/ID number \_\_\_\_\_

Home address \_\_\_\_\_

Postcode \_\_\_\_\_ Country \_\_\_\_\_

Course title \_\_\_\_\_

Course start date  /  /

**Type of accommodation**

- Host family
- University hall of residence
- Shared house

**Special diet** Yes  No

Please specify:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**How and why do you read?**

- 5 What do *you* read? Tick (✓) the different reading materials a–j that you read.

- |  |  |
|--|--|
| a <input type="checkbox"/> textbooks           | f <input type="checkbox"/> reports             |
| b <input type="checkbox"/> novels              | g <input type="checkbox"/> timetables          |
| c <input type="checkbox"/> emails              | h <input type="checkbox"/> indexes             |
| d <input type="checkbox"/> search engine finds | i <input type="checkbox"/> a dictionary        |
| e <input type="checkbox"/> journals            | j <input type="checkbox"/> instruction manuals |

- 6 Which reading materials from exercise 5 do you read for pleasure; for work; for your studies? Make three lists.

7 Read the handout for new students about reading. Answer the questions.

- 1 Which two ways of reading are the quickest?
- 2 Which way would you read for enjoyment?
- 3 Which way of reading is the slowest?

## Effective Reading

During your course, you will do a lot of reading. It is essential that you learn how to be an effective and efficient reader in order to make the best of your study time. Learning to be a good reader takes practice. You need to develop different strategies or methods of reading.

### Skimming

Sometimes you will read just to get a general idea of a text. This is skim reading. First, identify your reason for reading, for example, to decide whether an article meets your needs, or perhaps to understand a writer's attitude. To do this, read the text very quickly. Don't worry about reading and understanding everything. Instead, look particularly at the first and last paragraphs, and the first and last sentences of paragraphs. These often summarize the main points.

### Scanning

Sometimes you will read quickly to find particular pieces of information, for example, a statistic, a date, a person's name, or the name of a place. Again, you do not need to read every word to find this information. Instead, scan the text using a finger or a pencil to move quickly through the words. You could time yourself to see how long it takes you to find the information. Always try to improve your speed.

### Intensive reading

Sometimes you read for every detail, for example, a description of a process, the results of a scientific study, or a set literature text. To do this, take your time. Stop and think about what you are reading. Have you understood the text? You may need to read the text more than once, in order to make notes or highlight important points for future reference. This is called intensive reading or study reading.

### Extensive reading

Sometimes you will read for pleasure – perhaps as extra research, or purely for interest. You may concentrate, but you don't have to worry about detail. This is extensive reading.

We do not always read the same kinds of texts in the same way, and we often use more than one method of reading for a single text. Your reason for reading will help you decide how to read.



University of  
**WEST LONDON**

CJ Study Skills ER07

8 Choose five examples of reading materials from exercise 5 on page 5. *Why* and *how* do you read?

text book	Why?	<i>to find a relevant chapter</i> <i>to take notes</i>
	How?	<i>scan contents page</i> <i>read intensively</i>

9 Look back at exercises 2 and 4 on pages 4 and 5. In which exercise did you 'skim' and in which did you 'scan'? **Read STUDY SKILL**

## STUDY SKILL Reading methods

You usually have a reason for reading something. That reason changes the way you read, and the time you spend on a text.

Think about what you want from the text, and decide the best way to get it. For example:

- Skim a journal to find an article of interest.
- Scan an article for specific information.
- Read relevant parts of an article intensively to make notes.

## WRITING A host family

- 1 Imagine you are going abroad to do a short course and are going to live with a host family. What information would you give them and what information would you want? Think about:

dates food personal information transport computer access hobbies

- 2 Burcu Sancak, a Turkish student, is writing to her host family. Read her email. Tick (✓) the items from exercise 1 that she mentions.



**Accommodation message**

**From:** Burcu Sancak [bsancak@mailnet.com.tr] **Sent:** 16 July 2011  
**To:** Mr and Mrs Baker  
**Subject:** Accommodation

Dear Mr and Mrs Baker,

I'm very happy to accept your offer of acommodation. I'm really excited about coming to London for the first time to do an English course.

I am in my last year of school and next year I want to go to university to study english Language and Literature. at the moment i am preparing for my final exams, so I'm working very hard. When I'm not so bisy, I spend a lot of time reading, but I also enjoy sports I play basketball for my school team once a week. I also enjoy swimming. Is there a sports club with a swimming pool near your house.

As I mentioned in my last email, my course starts on 24th July but I'm coming two days earlier and my plain arrives at heathrow on the 22nd at 14.25 Could you tell me the best way of getting from the airport to your house?

I hope to here from you soon and I'm really looking forward to seeing you in London.

Best wishes,  
Burcu Sancak

- 3 **Read STUDY SKILL** Read Burcu's email again. There are 12 mistakes (capital letters, full stops, question marks, and spelling). Find and correct them.

### Writing an informal email

- 4 Imagine you are going to stay with a family for a short course. Write them an email. Write about 100 words.
- Say you accept their offer of a room.
  - Tell them about your studies and your hobbies.
  - Give them information about your arrival.
  - Ask for information you would like.

Check your work carefully. Give it to another student to check again.

### STUDY SKILL Checking your writing

Every time you write, remember to check your work for:

- capital letters at the beginning of sentences and for proper nouns (names of people, cities, and countries)
- full stops at the end of sentences
- question marks at the end of questions
- spelling mistakes. Use a dictionary or computer spellchecker to check your spelling. Keep a record of any words you misspell. Learn the correct spelling.



## VOCABULARY DEVELOPMENT Dictionary work

- 1 Put the following words into alphabetical order as quickly as you can. Compare your order with a partner.

brainstorm skim question accommodation dictionary  
 biography student vocabulary writing punctuation scan  
 pronunciation computer technology study voice keyboard

- 2 **Read STUDY SKILL** Here is an entry from the *Oxford Student's Dictionary*. Label the parts of the entry 1–5 using the words in the box.

part of speech definition pronunciation  
 example sentence stress mark

**accommodation** /əˌkɒməˈdeɪʃn/ <sup>1</sup> noun [U] <sup>2</sup>  
 a place for sb to live or stay: We lived in rented accommodation before buying this house. • The price of the holiday includes flights and accommodation. <sup>3</sup> <sup>4</sup> <sup>5</sup>

### STUDY SKILL A dictionary entry

Choose an English–English dictionary and make sure it is a recent edition.

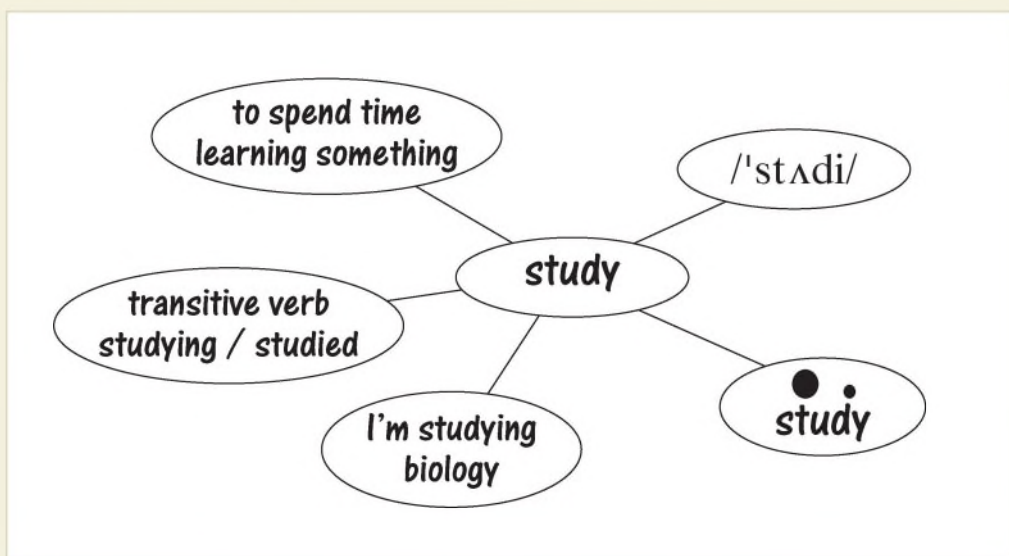
Dictionaries include a lot of useful information.

For example:

- parts of speech
- stress
- pronunciation
- definitions
- example sentences

Be careful! Some words have more than one meaning and use. Make sure you look at the correct part of a definition.

- 3 Look at the word card. What five pieces of information does it give you about the word *study*?



- 4 Make word cards for the underlined words in 1–6. Use your dictionary. **Read STUDY SKILL**

- 1 I am studying Chemical Engineering.
- 2 We scan a timetable to get the information we want.
- 3 Correct punctuation is very important in good writing.
- 4 Always check in a dictionary if you are not sure about how a word is spelt.
- 5 A biography is the story of someone's life.
- 6 Novels, plays, and poetry are examples of literature.

### STUDY SKILL Recording vocabulary (1)

It is important to keep a record of new vocabulary. You may wish to keep these records in a vocabulary notebook or in a special vocabulary file on the computer.

Wherever you record new vocabulary, it is helpful to note more than the translation. Also note, for example:

- the pronunciation
- the stressed syllables
- part of speech
- associated words and grammar, e.g. a *biography of someone*

## REVIEW

1 Complete the visa application form about you.

### VISA APPLICATION

Please print. Use black or blue ink only. Tick (✓) relevant boxes.

<b>Family name</b> _____	<b>First name</b> _____
	<b>Middle name(s)</b> _____
<b>Date of birth</b> _____	
<b>Place of birth</b> _____	
<b>Nationality</b> _____	<b>Passport/ID number</b> _____
	<b>Place of issue</b> _____
<b>Sex</b> Male <input type="checkbox"/> Female <input type="checkbox"/>	
<b>Marital status</b> _____	
<b>Title</b> Dr <input type="checkbox"/> Mr <input type="checkbox"/> Mrs <input type="checkbox"/> Ms <input type="checkbox"/> Miss <input type="checkbox"/> Other (specify) _____	
<b>Home address</b> _____	<b>Email address</b> _____
_____	<b>Home or mobile telephone number</b>
_____	_____
_____	
<b>Reasons for visit</b>	<b>Duration of visit</b>
Business <input type="checkbox"/>	1–7 days <input type="checkbox"/>
Study <input type="checkbox"/>	8–15 days <input type="checkbox"/>
Tourism <input type="checkbox"/>	Up to one month <input type="checkbox"/>
Family visit <input type="checkbox"/>	More than one month (specify length) _____
Other (specify) _____	
<b>Date of arrival (if known)</b> _____	<b>Date of departure (if known)</b> _____
<b>Address in country (if known)</b> _____	
_____	

2 Use your dictionary to correct the spelling of the underlined words.

- 1 She payed for her books with a credit card.
- 2 He bough a new car last month.
- 3 What subject are you studing?
- 4 My parents always give me good advise.
- 5 Have you applyed to university yet?
- 6 Please put the books back on the correct shelvs.

3 Review the texts and vocabulary in Unit 1. Choose at least five words that are new for you. Make word cards for them.

# 2 Where in the world ...?

**READING SKILLS** Skimming and scanning

**WRITING SKILLS** Brainstorming ideas • Linking ideas (1) • Writing a description of my country

**VOCABULARY DEVELOPMENT** Synonyms and antonyms • Recording vocabulary (2)

## READING Three countries

1 Look at photos a–c and skim texts 1–3 on page 11. Match them with the titles below. **Read STUDY SKILL**

- Cities, Deserts, Seas
- A World on an Island
- Your Dream Castle?

2 Scan the texts. Find information to complete the table.

	location	important date	economy	attractions	language(s)
<b>Singapore</b>			<i>strong economy, tourism</i>		<i>Malay, English, Mandarin, Tamil</i>
<b>Morocco</b>	<i>North Africa</i>			<i>Fez, beaches, Sahara Desert</i>	
<b>Wales</b>					

3 Scan the texts again to answer the questions.

Which country ...

- has a border with England?
- has a desert?
- has a lot of ancient castles?
- is an island?
- has man-made beaches?
- is ruled by a king?
- has a wild coastline?
- is in South-East Asia?
- has an ocean to the west, and a sea to the north?

4 Scan the texts to match a word in A with a word in B, and a definition in C.

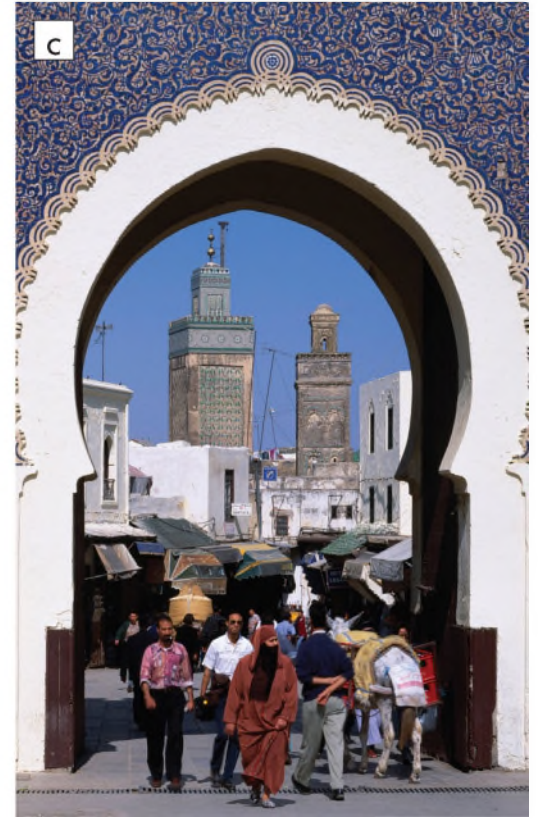
A	B	C
historic	1 _____ beaches	a <input type="checkbox"/> beaches made by people, not by nature
natural	2 _____ city	b <input type="checkbox"/> coal, gas, oil, and fresh water are all examples of these
tourist	3 _____ destination	c <input type="checkbox"/> a popular place to go on holiday
national	4 _____ language	d <input type="checkbox"/> a place with a long and important history
man-made	5 _____ resources	e <input type="checkbox"/> the main language used in a country
official	6 _____ assembly	f <input type="checkbox"/> the group of people chosen to govern a country

5 Read the texts again more slowly. In pairs, discuss similarities and differences between the three countries and your own country.

### STUDY SKILL Skimming and scanning

Remember there are two ways of reading quickly:

- skimming for the general idea
- scanning for particular information



### 1

The Republic of Singapore is an island in South-East Asia, just 137km north of the Equator. It became an independent city-state in 1965. Singapore has few natural resources. However, it developed a strong economy and is a popular tourist destination. People come here for its fabulous shopping, the famous Singapore Zoo, and its beautiful man-made beaches. Singapore has a rich mixture of people and many languages are spoken here, including Malay, English, Mandarin, and Tamil.

### 2

The Kingdom of Morocco is a country in North Africa. It has the Atlantic Ocean to the west, the Mediterranean Sea to the north, Algeria to the east, and Western Sahara to the south. It became an independent kingdom in 1956. Its economy depends on mining and tourism. Morocco's attractions include the historic city of Fez, the wonderful beaches on the Atlantic and Mediterranean, and the Sahara Desert. Arabic is the official language, although French is often used for business.

### 3

Wales is in northern Europe. It is part of the United Kingdom. It borders England to the east, and has the Irish Sea on the west. Wales was ruled by England for many centuries, but in 1999 its own National Assembly was created. Farming and tourism are important parts of its economy. Tourists come to Wales to see its many ancient castles, to walk and climb in its beautiful mountains, or to walk along its wild coastline. Although most people speak English, both Welsh and English are the official languages.

## WRITING My country

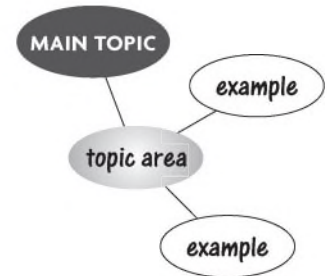
- 1 Complete the diagram about France using the topic areas and examples in the box. **Read STUDY SKILL**

skiing in the Alps	economy	coal
the Atlantic Ocean	Spain	1789
tourism	French	Euro Disney

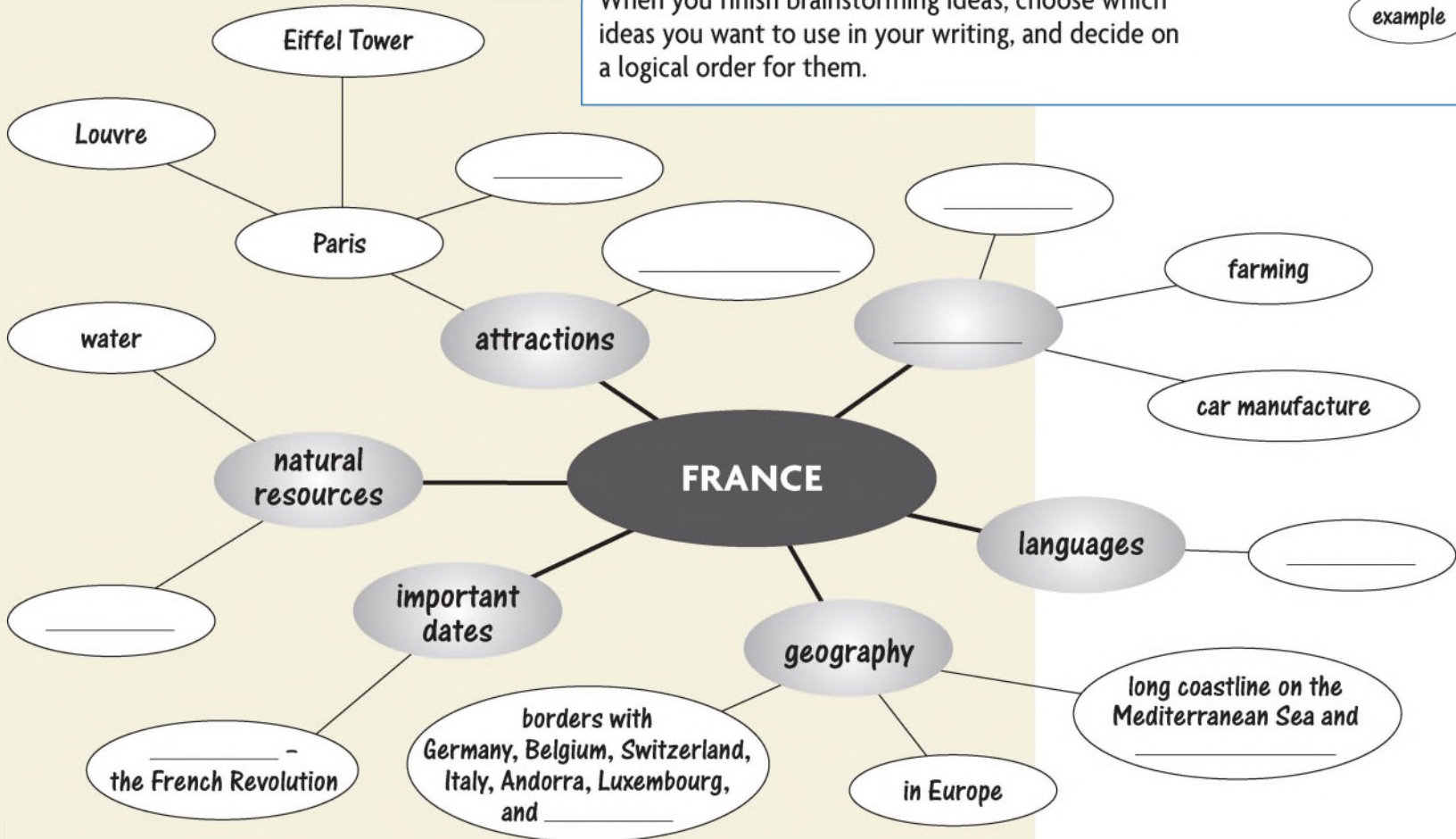
### STUDY SKILL Brainstorming ideas

Before you write, think about the topic. Work with a partner or in a group.

- Use a diagram to help you organize your thoughts.
- Decide on topic areas, and think of examples.
- Write notes and single words on the diagram.
- Don't discard any ideas or thoughts at this stage.
- Don't worry about what is more or less important at this stage.



When you finish brainstorming ideas, choose which ideas you want to use in your writing, and decide on a logical order for them.



- 2 Complete the paragraph about France. Use information from the diagram in exercise 1.

### FRANCE – SOMETHING FOR EVERYONE!

France is a large country in <sup>1</sup>\_\_\_\_\_. It has <sup>2</sup>\_\_\_\_\_ with many countries, including Germany, Italy, and Spain. It was ruled by a king. However, after the revolution in <sup>3</sup>\_\_\_\_\_, it became a republic. France has good natural resources, such as water and <sup>4</sup>\_\_\_\_\_. Farming, car manufacturing, and <sup>5</sup>\_\_\_\_\_ are other important parts of its economy. The capital of France is Paris, which lies on the River Seine. Many tourists stay in the city to see the <sup>6</sup>\_\_\_\_\_ Tower, or to visit the world-famous Louvre Museum and the many other attractions. There are also lots of other things to do outside Paris. You can go skiing in the <sup>7</sup>\_\_\_\_\_, visit <sup>8</sup>\_\_\_\_\_, or go swimming in the Mediterranean. Although the official language is French, many people speak a little English. So, whatever your interests and wherever you come from, France has something for you.



- 3 Look back at the text on page 12. Write the topic areas from the box next to numbers 1–5 in the order they appear in the text.

languages   attractions   geography   important date(s)   economy

1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_ 4 \_\_\_\_\_ 5 \_\_\_\_\_

- 4 With a partner, quickly brainstorm ideas about your country. Write your ideas on a diagram. Use the topic areas from exercise 3.
- 5 **Read STUDY SKILL** Underline other examples of *but*, *however*, and *although* in the three texts on page 11.

### STUDY SKILL Linking ideas (1)

Linking ideas in a clear and logical way is part of good writing. Use *but*, *however*, and *although* to contrast two ideas.

Look at sentences **a** and **b**. Compare the way *but*, *however*, and *although* are used to link them. What differences are there?

**a** *The official language is French.*

**b** *Many people speak a little English.*

*The official language is French, **but** many people speak a little English.*

*The official language is French. **However**, many people speak a little English.*

***Although** the official language is French, many people speak a little English.*

*The official language is French, **although** many people speak a little English.*



- 6 Link the pairs of sentences using the word in brackets.

- 1 Many people think that Sydney is the capital of Australia. Canberra is really the capital. (but)  
\_\_\_\_\_
- 2 The Amazon is the longest river in South America. The Nile is the longest river in the world. (however)  
\_\_\_\_\_
- 3 Mount Everest is the highest mountain in the world. It is not the most difficult to climb. (although)  
\_\_\_\_\_
- 4 It is very hot in the Sahara during the day. It can be very cold at night. (although)  
\_\_\_\_\_



### Writing a description of my country

- 7 Write a paragraph of about 150 words describing your country. Use your ideas from exercise 4. Link them using *but*, *however*, and *although*.



## VOCABULARY DEVELOPMENT Organizing vocabulary (1)

- 1 Put the words in the box into two groups. Then organize them in order of size (**smallest** ← → **biggest**) or speed (**slowest** ← → **fastest**).

bicycle sea ocean aeroplane space rocket lake car pond

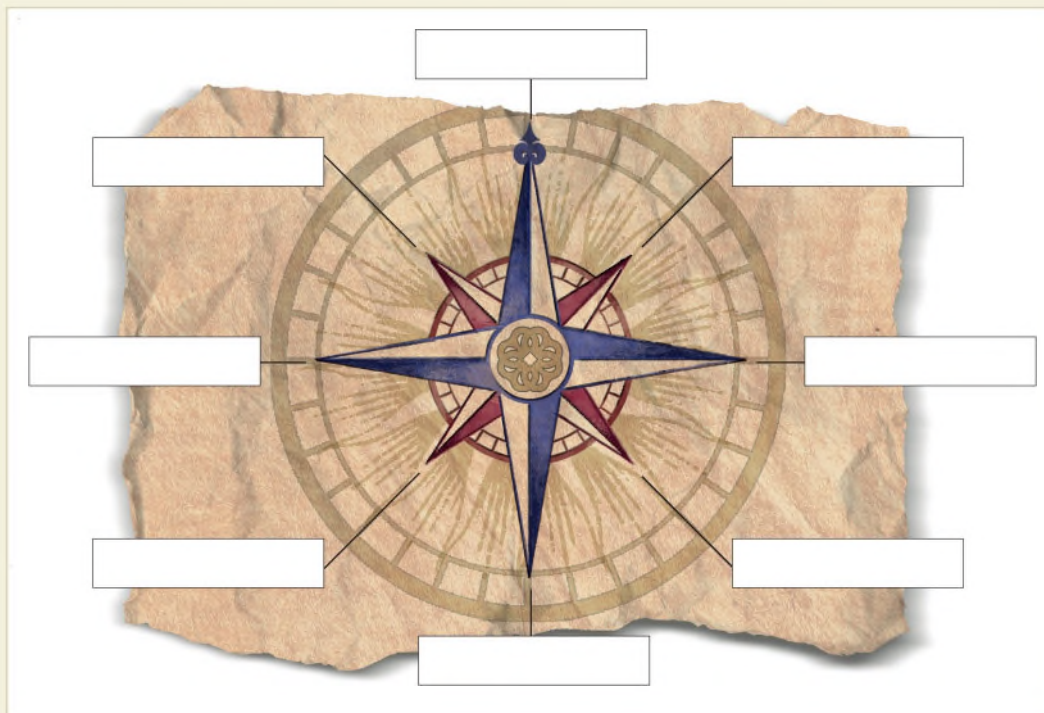
- 2 **Read STUDY SKILL** Match 1–5 with synonyms (=) and antonyms(≠) from the box.

frontier big new noisy old quiet small seashore

- |             |   |       |
|-------------|---|-------|
| 1 border    | = | _____ |
| 2 coastline | = | _____ |
| 3 modern    | = | _____ |
|             | ≠ | _____ |
| 4 large     | = | _____ |
|             | ≠ | _____ |
| 5 loud      | = | _____ |
|             | ≠ | _____ |

- 3 Use the words in the box to label the compass.

north south east west north-west south-west north-east south-east



- 4 Look at the words in the box. Organize them into four groups of four words each. Record them using different methods. **Read STUDY SKILL**

a cottage clean the North Pole deserts dirty  
 the Earth lakes mountains a house unpolluted  
 an apartment block polluted a skyscraper  
 rainforests the South Pole the Equator

### STUDY SKILL Synonyms and antonyms

A **synonym** is a word or phrase that has the same meaning as another word or phrase.

An **antonym** is a word or a phrase that means the opposite of another word or phrase.

### STUDY SKILL Recording vocabulary (2)

Recording words in groups can make them easier to remember. You can use:

- diagrams like the ones in this unit
- a scale as in exercise 1
- synonyms and antonyms as in exercise 2
- a picture with labels as in exercise 3

Continue to add new words to each group as you learn them.

## REVIEW

- 1 Go back through Unit 2. Add examples to the table. Write the definite article *the* where necessary.



countries	continents	rivers	deserts	cities	seas and oceans	mountains/ mountain ranges
Wales, <i>the Republic of Singapore</i>	Asia	<i>the River Seine</i>	<i>the Sahara</i>	Fez	<i>the Atlantic Ocean</i>	Mount Everest

- 2 When is the definite article *the* used? Complete the rules.

### RULES

Use *the* with rivers, deserts, mountain ranges, \_\_\_\_\_ and oceans.

Do not use *the* with most countries, \_\_\_\_\_, mountains, and \_\_\_\_\_.

- 3 Add some examples from your own country or region to the table.
- 4 Make sentences 1–8 true by replacing the word in *italics* with another word from Unit 2.
- 1 Asia is a large *country*.
  - 2 Morocco has beaches on the Atlantic *Sea*.
  - 3 Spain is *north* of France.
  - 4 A *castle* is where you can go to see lots of different animals.
  - 5 A *lake* is bigger than a sea.
  - 6 Sydney is a very *old* city.
  - 7 Russia is a *small* country.
  - 8 A village is *bigger* than a town.
- 5 Make your own records of any new words. Use the methods from this unit.



# 3 Newspaper articles

**READING SKILLS** Predicting content • Meaning from context

**WRITING SKILLS** Sentences • Paragraphs • Varying the structure • Writing an article

**VOCABULARY DEVELOPMENT** Antonyms from prefixes

## READING An unexpected journey

- 1 Look at the headline and pictures in the newspaper article. What do you think the story is about? Discuss your ideas with a partner.

### A free flight to Dubai

A twenty-three-year-old Dutch student has enjoyed a short but unexpected holiday in Dubai. Mr Frank Vreede, a business student, had taken a part-time job at Schiphol Airport to help pay for his studies. He worked as a **baggage handler** and was responsible for loading the suitcases into the **hold** of passenger planes.

Last Friday night, after an exhausting day in the university library preparing for his final exams, Frank was loading a plane at the airport. He was waiting for the next baggage truck to arrive and he felt tired. He decided to have a quick rest, so he sat down in the hold of the plane and shut his eyes – just for a moment.

However, while he was sleeping, the plane **took off**. An hour later, Frank woke up and was **horrified** to discover that the plane was in the air. There was a terrible noise from the engines, and he tried not to panic. It was dark, uncomfortable and very, very cold. Frank knew the flight would be long because it was an airline from the Middle East. He also knew he could not survive the freezing temperatures. It was an impossible situation.

He decided to make as much noise as possible. He **banged** on the ceiling of the baggage hold and shouted at the top of his voice. Luckily, a passenger heard the noise and called a flight attendant, who immediately informed the pilot. Once the captain understood what was happening, he ordered hot air to be pumped into the hold.

When the plane arrived at Dubai International Airport, an ambulance was waiting to take a very cold and frightened Mr Vreede to hospital. Doctors examined him, but he was **unhurt** and was allowed to leave after a few hours. News spread quickly about this 'stowaway'. The Managing Director of one of Dubai's top hotels offered him a free room for the weekend. 'He must have wanted to come to Dubai very much if he was prepared to travel in the hold!' joked the MD.

'Everyone's been so kind,' said Mr Vreede. 'I'm really enjoying my stay in Dubai and I'm getting a lot of rest, so I won't fall asleep on the job again!'

When Frank returned to Schiphol Airport on Monday, his friends and **relatives** were overjoyed to see him. 'When he didn't come home after his evening **shift** on Friday, I called the airport – but nobody had seen him for hours,' his mother said to reporters. Frank explained that he was very lucky because it is possible to die of cold in the hold of an aircraft. He **apologized** to his boss for sleeping at work instead of working, and promised it would not happen again. 'During the flight I was **petrified**. I thought I was going to die!' said Mr Vreede. 'I wouldn't want to do it again. Next time, I'll catch a regular flight!'



- 2 **Read STUDY SKILL** Make questions about the article. Use the question words in the box.

Why ...?    Where ...?    Who ...?    When ...?    What ...?    How ...?

Why was it a free flight?

### STUDY SKILL Predicting content

Predicting the content of a text prepares you for what you are about to read. Being well-prepared helps comprehension.

Before you read a text:

- look at the title
- look at any pictures

Use these to get an idea of what the text is about. Ask some questions (*Who? Where? Why?* etc.) to help you predict the content and to focus on the information you need.

- 3 Skim the text to get a general idea of the story. Were your ideas right? Does the text answer your questions?

- 4 Read the article more slowly and answer the questions.

- 1 **Who** is the article about?
- 2 **What** other people are mentioned in the article?
- 3 **Where** did the events happen?
- 4 **When** did the events happen?
- 5 **What** was the problem?
- 6 **How** was the problem solved?

Compare your answers with a partner.

- 5 **Read STUDY SKILL** Copy the table. Guess the meaning of the words in bold in the article *A Free Flight to Dubai*. Use the part of speech and the context to help.

### STUDY SKILL Meaning from context

Texts often contain words we don't know. Looking up every word takes time and slows down your reading.

To help you guess the meaning from the context:

- look at the words and sentences around the unknown word.
- identify the part of speech.
- use your knowledge of the world (what you already know about the situation).
- think about whether the word has a generally negative or positive meaning.
- replace the unknown word with another word with a similar meaning and check that it makes sense in the sentence.

word	part of speech	context	guess
<b>baggage handler</b>	<i>noun</i>	<i>job or duty / airport responsible for loading suitcases/ passenger planes</i>	<i>person who puts bags on a plane</i>

- 6 Compare your guesses with a partner. Check meanings in a dictionary.
- 7 Underline other new words in the article. Make guesses about them. Check your guesses in a dictionary.

Why ...?  
Where ...?  
Who ...?    When ...?  
What ...?    How ...?

## WRITING Mistaken identity

- 1 Look at paragraph 1 of the newspaper article *A Case of Mistaken Identity* on page 19. Separate it into six sentences. Punctuate the sentences correctly.

Read **STUDY SKILL**

### STUDY SKILL Sentences

- write short, clear sentences.
- join ideas and sentences using linking words, for example, *however*, *after*, etc. (see Study Skill p13).
- punctuate correctly using capital letters, full stops, question marks, and exclamation marks.

- 2 Complete paragraph 2 of the article using the words in the box.

after    and    unfortunately    but    because    so

- 3 Read the beginnings of paragraphs 3 and 4 of the article. Choose which sentences, a or b, from 1–5 belong to each paragraph. Write the paragraphs.

- a Then the car stopped in front of a large conference centre. **Paragraph 3**  
b He told John that everything was ready for him. **Paragraph 4**
- a Mr Taylor jumped out of the car with his briefcase and rushed into the centre.  
b 'Follow me, please,' he said.
- a John Taylor got up, checked his tie was straight, and picked up his briefcase.  
b There, to his relief, he was greeted in English by the conference organizer.
- a He followed the organizer out of the room.  
b 'Welcome to Paris, Mr Taylor,' said the smartly-dressed organizer and he led John Taylor down a long corridor and into a small room.
- a After giving Mr Taylor a coffee, the organizer went off to make sure everything was ready.  
b The organizer opened a door and led John Taylor into a large hall full of ... schoolchildren!

- 4 Look at the next two paragraphs. Which is paragraph 5? Which is paragraph 6? **Read STUDY SKILL**

### STUDY SKILL Paragraphs

To help your writing flow:

- group ideas on the same topic together in a paragraph.
- make sure there is a clear link between the content of one paragraph and the next.

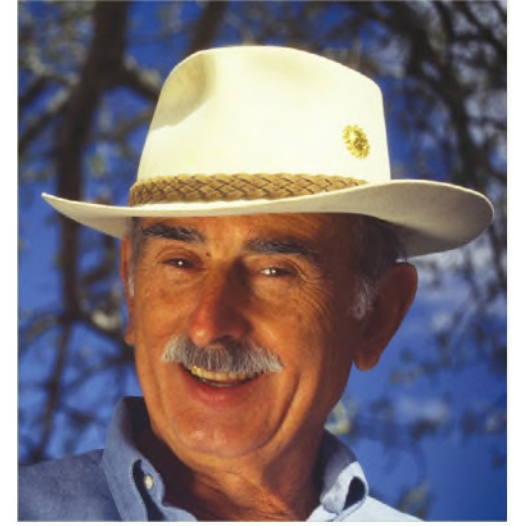
- 5 Read paragraph 1 of the article again. Find an example of the Present Perfect, Past Simple, Past Continuous, and Past Perfect. **Read STUDY SKILL**

### STUDY SKILL Varying the structure

Interesting writing often contains a variety of tenses.

For example:

- Past Simple – *It was a comfortable flight.*
- Past Continuous – *He was loading a plane at the airport.*
- Present Perfect – *He has been to France before.*
- Past Perfect – *He had taken a part-time job at the airport.*



## A case of mistaken identity

**1** have you ever been mistaken for someone else last week Mr John Taylor, an Australian businessman, went to Paris for an important meeting he was sent by the Australian government to give a speech to French businessmen and women it was to encourage more trade it was, therefore, a very important speech and Mr Taylor had prepared it carefully at the same time a Mr Paul Taylor was also travelling on the same flight to Paris

**2** It was a comfortable flight <sup>1</sup>\_\_\_\_\_ his plane arrived on time. John Taylor was expecting a driver to pick him up from the airport. <sup>2</sup>\_\_\_\_\_ going through customs and immigration control, he went to find the driver. He saw a man who was holding a sign saying 'Mr Taylor', <sup>3</sup>\_\_\_\_\_ he introduced himself. The driver replied in French. <sup>4</sup>\_\_\_\_\_, Mr Taylor did not speak French, <sup>5</sup>\_\_\_\_\_ he did understand the words 'hotel' and 'seminar'. <sup>6</sup>\_\_\_\_\_ the meeting was early that morning, John Taylor decided to go straight to the seminar. He nodded his head at the driver and repeated 'seminar'.

**3** While the car was speeding through Paris, Mr Taylor went through his notes one more time. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4** The organizer returned a few minutes later. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Paragraph

This case of mistaken identity was quickly noticed and put right. Both Mr Taylors, Paul and John, were put into taxis and driven at great speed to their correct meetings. Fortunately, both presentations were hugely successful, as they discovered when they were seated next to each other on the flight back to Australia!

### Paragraph

John Taylor looked around in horror at the children. Then he heard the organizer asking them to welcome Mr Paul Taylor. He was going to tell them about kangaroo farming in Australia! Meanwhile, on the other side of the city, Mr Paul Taylor was also in a large hall full of people. Paul, dressed in blue jeans and cowboy boots, was staring in horror at 200 smartly-suited businessmen and women.

## VOCABULARY DEVELOPMENT Word-building (1)

- 1 Put the adjectives from this unit with the correct prefix in the table. Use a dictionary to help you. **Read STUDY SKILL**

expected regular comfortable possible hurt important

<b>un-</b>	<u>unexpected</u>	_____
	_____	_____
<b>in-</b>	_____	_____
	_____	
<b>il-</b>	_____	_____
	_____	
<b>im-</b>	_____	_____
	_____	_____
	_____	
<b>ir-</b>	_____	_____
	_____	

- 2 Use a dictionary to identify the correct prefixes for the adjectives in the box. Add them to the table in exercise 1.

appropriate direct experienced patient relevant mature  
legal responsible logical legible mobile personal

- 3 Look back at the table in exercise 1. Can you see any general rules about when to use *il-*, *im-*, and *ir-*? Complete the rules.

### RULES *il-*, *im-*, *ir-*

*il-* is used with words beginning with \_\_\_\_\_.

*im-* is often used with words beginning with \_\_\_\_\_ and \_\_\_\_\_.

*ir-* is used with words beginning with \_\_\_\_\_.

- 4 Match words 1–7 with antonyms a–g.

- |                                      |                    |
|--------------------------------------|--------------------|
| 1 <input type="checkbox"/> different | a low              |
| 2 <input type="checkbox"/> easy      | b maximum          |
| 3 <input type="checkbox"/> high      | c small            |
| 4 <input type="checkbox"/> large     | d public           |
| 5 <input type="checkbox"/> late      | e early            |
| 6 <input type="checkbox"/> minimum   | f difficult / hard |
| 7 <input type="checkbox"/> private   | g the same         |

## STUDY SKILL Antonyms from prefixes

The antonyms of some words can be made by adding a prefix such as *un-*, *in-*, *im-*, for example, *successful/unsuccessful*.

In other cases, the antonym is a completely different word, for example, *good/bad*.

When you look up a new word in the dictionary, make a note of its antonym.

*un-*  
*in-*  
*il-* *im-* *ir-*

## REVIEW

- 1 Look at the titles of these newspaper articles. What do you think each article is about? Work with a partner and write five questions about each article.



- 2 Read the beginning of John Taylor's talk. The words in bold are different parts of speech of the nonsense word **naman**. What part of speech are they? Choose from the box.

verb x (2)    noun x (3)    adjective x (2)

Good **naman**, everyone. I am sorry for **namaning** late, but thank you for being so patient. As you know, I am here to **naman** about the possibilities for increased commerce between our two **namanies** and I hope that this talk will lead to a fruitful discussion. Our two countries have had very good relations for many **namanies**, in fact since 1872! Last year, many of our **namanical** students came here to study your farming systems. It was a very **namaning** visit and they learnt a lot. In the future, . . .

- 3 Guess their meaning from the context and replace them with an appropriate real word.

Good **naman**, everyone. = *Good morning/afternoon, everyone.*

- 4 Make notes about each of the pictures. Write a paragraph of 20–40 words for each one in the past tense. Give your complete article a title.



# 4 Modern technology

**READING SKILLS** Identifying the main message – topic sentences

**WRITING SKILLS** Organizing ideas (1) • Linking ideas (2) • Writing a discursive essay

**VOCABULARY DEVELOPMENT** Avoiding repetition (1)

## READING Innovations

1 Skim the articles and letters on page 23. Answer the questions.

- 1 Where would you expect to find a page like this?
- 2 How many articles are there?
- 3 What is the topic of each article?
- 4 How many letters are there?
- 5 What piece of technology is each letter about?

2 **Read STUDY SKILL** Scan the text *The Silent Plane* and the readers' letters opposite. Pay attention to topic sentences only. Are the statements true (T) or false (F)?

- 1 Maybe one day planes won't make a noise. T
- 2 Noise is being reduced in two ways.
- 3 The project to build the plane hasn't begun yet.
- 4 Mr Campbell is happy with his computer.
- 5 The writer of the third letter wants help.
- 6 Paula Adams' opinion is the same as an earlier letter writers.

3 Read the summaries a–d of the paragraphs in the article *The Car that Drives Itself*. Match them with topic sentences 1–4. Do not read the article.

### Summaries

- a describing how the car works
- b predicting future developments
- c outlining some problems
- d introducing the subject

### Topic sentences

- 1  A car manufacturer has designed and built a car that drives itself.
- 2  Despite these disadvantages, car manufacturers see driverless cars as the future.
- 3  However, there are still two main drawbacks.
- 4  The car works using two main devices.

4 Skim the article to match topic sentences from exercise 3 to paragraphs A–D. Use the summaries to help.

### STUDY SKILL

#### Identifying the main message – topic sentences

Students are often required to do a large amount of reading. To save time and to select the best text(s) for your needs, it is important to identify the main message as quickly as possible.

To do this:

- look at the title.
- quickly skim the text to find the topic sentences. They are usually the first sentence in each paragraph. They summarize what the paragraph is about.

## INNOVATIONS

### THE SILENT PLANE

Annoyance from aeroplane noise could be a thing of the past as plans are announced to design a silent aircraft. The aim is to reduce the noise from a plane so that city-dwellers will no longer hear it passing overhead once it has left the airport.

This noise reduction will be achieved in three main ways. Firstly, the plane is being designed as a single, wide wing. Secondly, the engines will be placed above the wing, inside the plane, rather than under the wings and outside, and thirdly the airplane will be flown differently, for example at a reduced speed when it is near the airport.

The aircraft is just a design concept at the moment and many technological challenges will have to be met before we have silent planes overhead.



### THE CAR THAT DRIVES ITSELF

**A** \_\_\_\_\_ It can steer itself and control its speed. This is the latest development in the long history of the automobile industry.

**B** \_\_\_\_\_ The first is a radar sensor in the front of the car. It scans the road in front of the car, looking for other vehicles. It then speeds the car up or slows it down according to the traffic conditions. The second device is a camera below the rear-view mirror which watches the white lines in the road. It uses these lines as a guide to steering the car.

**C** \_\_\_\_\_ Firstly, the system can only work on motorways, and secondly, cars still need a driver. If the driver doesn't touch the steering wheel every 10 seconds, the devices can stop working.

**D** \_\_\_\_\_ They are already working on new models that will be able to drive on city roads. So, perhaps one day soon, we will be able to jump into our cars and sleep or read a book as we are driven to work!



Google self-driving car.

## Opinions and Questions: the Readers Write!

Sir,

*Is anyone else fed up with their computer? I bought one to make my life easier and it has done exactly the opposite! Everyone told me that it would be easy to set up. 'A child could do it!' they said. So, I tried and it has been a disaster. It crashes constantly and instead of saving me time, I seem to spend all my free time trying to make it work. If this is an example of modern technology, give me an old-fashioned typewriter anytime!*

Yours

W.F. Campbell (Mr)

Dear Sir,

*I strongly disagree with the previous correspondent about CD players being better than MP3 players. For most of us, who are busy and on-the-move, an MP3 player is ideal. It is light, portable and convenient. You can store thousands of songs on it to listen to wherever you are. What's more, most MP3 players now allow you to watch videos, look at photographs and connect to the Internet. Brilliant!*

Yours faithfully,

Paula Adams

Sir,

*I am writing to ask for some advice about memory sticks. I use mine to keep a copy of my data, in case something goes wrong with my computer. However, I was told that memory sticks are unreliable and are easily damaged by anything magnetic, or by going through scanners, at airports, for example. Could you please clarify for me whether this is true? I have a new job that requires me to travel regularly, and I have to take my memory stick on trips.*

Yours,

A. Jefcoate



## WRITING Technology – good or bad?

1 Brainstorm arguments *for* and *against* mobile phones.

Read STUDY SKILL

for	against
<i>Can make a call at any time, anywhere.</i>	<i>Annoying in a public place, e.g. in a restaurant.</i>

### STUDY SKILL Organizing ideas (1)

When writing an essay where you have to give two sides of an argument:

- organize your ideas into arguments *for* and arguments *against*, and give some examples.
- write a paragraph *for*, and a paragraph *against*, giving your ideas in a logical order.
- write an introduction and a conclusion. Give your personal opinion in the conclusion.

2 Read the essay. Did you have the same ideas?

## Mobile phones

**A** Mobile phones are now part of our everyday lives. Most people find them essential and could not manage without them. However, there are also some drawbacks to owning and using a mobile phone.

**B** There are three main advantages to having mobile phones. Firstly, there is the convenience of being able to make or receive a phone call at any time and in any place. Secondly, they are essential for keeping in touch with family and friends. Parents worried about their children can always ring them to check they are safe, and children can let their family know if they are going to be late home. Finally, mobile phones can save lives. For example, if there is an accident, help can be called immediately, wherever the accident takes place.

**C** On the other hand, there are significant problems with the use of mobile phones. In the first place, using mobile phones can cause accidents, for instance, when people are driving and using their phone at the same time. In addition, the loud use of mobile phones in public places such as restaurants and cinemas is rude and can be very irritating for other people. Lastly, there has been an increase in street crime directly related to mobile phones. People have been attacked and their phones stolen from them.

**D** In conclusion, I believe that, despite the disadvantages, mobile phones are essential to modern life and that the advantages of owning one are far greater than the disadvantages.



3 Consider the purpose of each paragraph. Which paragraph A, B, C, or D ...?

- says why mobile phone use can be a good thing
- introduces the subject
- concludes and gives the writer's opinion
- says why mobile phone use can be a bad thing

4 Read STUDY SKILL Go back through the essay. Underline 12 more linking words and phrases. Write them in the table.

sequence	<u>firstly</u> _____	_____
		_____
		_____
contrast	<u>in spite of</u> _____	_____
		_____
		_____
examples	<u>e.g.</u> _____	_____
		_____
endings	<u>to conclude</u> _____	_____

### STUDY SKILL Linking ideas (2)

To help the reader understand your writing and follow your ideas, link short, simple ideas. Use:

- *firstly, secondly, ...*  
for more than one argument or idea
- *however* (see Study Skill p13), *on the other hand, despite ...*  
for a contrast between two ideas
- *for instance, for example, ...*  
for an example to illustrate an idea
- *in conclusion, to sum up, ...*  
for the final comment

- 5 Read the essay title. Do you agree or disagree with it?  
Discuss with a partner.

Access to satellite and Internet television does more harm than good.



- 6 Divide arguments 1–6 into those that support the essay title (*against* satellite /Internet TV), and those that disagree with it (*for* satellite/Internet TV). Add one more argument to each list.

- 1 People (especially children) have access to programmes with unsuitable content.
- 2 It gives people access to programmes around the world – the opportunity to learn about other cultures.
- 3 A huge choice of programmes is available – something for every interest, for example sport, music, film, documentary channels.
- 4 More access to TV encourages people (especially children) to watch more TV, so there is less time for hobbies or family.
- 5 Programmes in other languages, for example English, can support language learning.
- 6 The programmes available may not be culturally appropriate.

for satellite TV	against satellite TV
	<i>The programmes available may not be culturally appropriate.</i>

## Writing a discursive essay

- 7 Complete the essay using the arguments from exercise 6. Link ideas with words and phrases from exercise 4. Follow the organization in the box. Write about 200 words.

**Title** Access to satellite and Internet television does more harm than good.

### Introduction

Many people have strong feelings about the value of television, especially now that programmes are available through satellite and over the Internet. There are those who suggest that increased access to these programmes does more harm than good. However, there are those who insist that it is a good thing.

Paragraph 2 satellite and Internet TV does harm + examples

Paragraph 3 satellite and Internet TV is good + examples

Paragraph 4 conclusion and your opinion

## VOCABULARY DEVELOPMENT Varying vocabulary (1)

1 Match the linking words or phrases with their synonyms.

- |  |                      |
|--|----------------------|
| 1 <input type="checkbox"/> finally           | a but                |
| 2 <input type="checkbox"/> firstly           | b for instance       |
| 3 <input type="checkbox"/> for example       | c in contrast        |
| 4 <input type="checkbox"/> however           | d in the first place |
| 5 <input type="checkbox"/> in conclusion     | e lastly             |
| 6 <input type="checkbox"/> on the other hand | f to conclude        |

2 Replace the word(s) in bold in each sentence with a synonym from the box.

drawbacks    essential    immediately    made illegal    rise

- 1 There are three **disadvantages** to your suggestion.
- 2 Smoking at work has been **outlawed** in many countries.
- 3 Most car owners believe their car is **necessary** for their work and leisure.
- 4 If there has been a car accident, you should call the police **straight away**.
- 5 There has been a huge **increase** in mobile phone ownership.

3 **Read STUDY SKILL** Use your dictionary to find synonyms for these words from the unit.

### STUDY SKILL Avoiding repetition (1)

To avoid sounding repetitive in your writing, try not to use the same words too often. Where possible, use a synonym. A good dictionary will often give you a synonym within the definition of a word, or the symbol SYN next to a word with the same meaning. This entry is from the *Oxford Student's Dictionary*.

**finally** /'fʌməli/ *adv.* **1** after a long time or delay: *It was getting dark when the plane finally took off.*  
**[SYN] eventually 2** used to introduce the last in a list of things: *Finally, I would like to say how much we have all enjoyed this evening.* **[SYN] lastly 3** in a definite way so that sth will not be changed: *We haven't decided finally who will get the job yet.*

ideal    wonderful    manufacture    automobile  
accelerate    steal    rude    discover

4 Replace the words in bold in the paragraph with synonyms. Use your dictionary to help.

Smart cards, that is, credit cards, mobile phone SIM cards, and so on, which contain a **very small** computer microprocessor, have their origins in the 1970s. A Frenchman, Roland Moreno, **manufactured** a circuit that could **store** electronic **data**. Since then, this idea has **grown** into a multi-billion-dollar **business**.



## REVIEW

- 1 Look at the essay titles. Brainstorm and write down three arguments *for* and three arguments *against* each title.

Using computers saves a lot of time.

Cars should be banned from city centres.

Young people spend too much time playing computer games.

People have become too dependent on modern technology.

- 2 Write a topic sentence which states the main idea for each paragraph below.

### Laptop computers

Many people now travel the world on business and they need to be able to use a computer at all times. Firstly, it is important that they can write and answer important emails when they are away from their offices. Secondly, having a laptop means that people don't waste time when they are travelling, as they can work while they are on a plane or train, for example. Lastly, a laptop can also help busy businessmen and women to relax. They can listen to music or watch their favourite movie while they are hundreds of kilometres from home!



### Voice-controlled technology

Already some people have installed voice-controlled technology in their homes. They use their mobile phones to 'tell' their lights to switch on, or to 'order' their television to turn off. However, in the future more and more of us will be using this technology to control our heating, our lighting, and security in our homes. Perhaps one day we will be able to 'tell' our ovens to cook our dinners!



- 3 Divide the vocabulary from Unit 4 into two topics: cars and aeroplanes.

airport fly motorways plane rear-view mirror  
steering wheel traffic wing

- 4 Add four of the words in the box to the two topics. Use your dictionary to help. Record these words in groups using a method from the Study Skill box on page 14.

accelerator brakes clutch cockpit  
emergency exit pilot take off tyres

# 5 Conferences and visits

**READING SKILLS** Purpose and audience (1) and (2)

**WRITING SKILLS** Using formal expressions • Writing a formal email

**VOCABULARY DEVELOPMENT** Suffixes • Prefixes

## READING A conference in Istanbul

1 Label documents a–d on page 29. Which is ... ?

- an itinerary
- an informal email
- an invitation
- a programme of events

2 Work with a partner. **Read STUDY SKILL**

- 1 What is the purpose of each document a–d?
- 2 Who is each document for?

a passenger   a friend   a speaker at a conference

3 Scan the documents. Answer as many questions as you can in three minutes.

### STUDY SKILL Purpose and audience (1)

To understand the contents of a text better, predict what you can before you read. As well as titles, pictures, and headings think about:

- layout, size, and style of the print.
- purpose, for example, *to inform*, *to sell*.
- audience (who it is written for), for example, *a student*, *an expert*.

#### The programme

Where is the conference being held?

Who is the conference for?

When does the conference start and finish?

What time does the sightseeing tour start?

What time is the *Farewell Dinner*?

#### The people

Who is the invitation to?

Who is the first speaker at the conference?

Who is talking about the international novel?

Who is the email to?

Who is the email from?

#### Dr Khuffash

What time does she leave Amman?

What time does she arrive back home in Amman?

Where does Dr Khuffash teach?

What is she looking forward to most?

4 Complete the definitions using words and phrases in bold from the documents.

- 1 \_\_\_\_\_ is visiting important and historic places in a city as a tourist.
- 2 A \_\_\_\_\_ is a meeting or talk that everyone should attend.
- 3 A \_\_\_\_\_ is the place where people meet for an organized event.
- 4 An \_\_\_\_\_ is a collection of things, for example books or paintings for people to look at.
- 5 A \_\_\_\_\_ \_\_\_\_\_ means someone you know, a friend.
- 6 \_\_\_\_\_ is saying or writing what you think is good or bad about something, for example, a book or essay.
- 7 To \_\_\_\_\_ \_\_\_\_\_ is to wait with pleasure for something to happen.
- 8 The \_\_\_\_\_ of a meeting is the person in charge.
- 9 A \_\_\_\_\_ is someone who teaches at a university.
- 10 \_\_\_\_\_ is another more formal word for 'goodbye'.

a

# NATIONAL UNIVERSITY OF TURKEY

We have pleasure in inviting *Dr Laura Khuffash* to the

## 3rd International Conference for Teachers of English Language and Literature

5 October – 8 October **Venue:** Istanbul City Hotel

b

### Programme Day 1

- 9–10.30 **Plenary Session**  
**Chair** Dr John Bryan, Head of English, University of Leeds
- 10.30–11.00 Coffee break and **exhibition**
- 11.00–13.00 Choice between:
- *English as a World Language*  
 Dr Laura Khuffash, Senior **Lecturer**, Birzeit University
  - *English and Tourism*  
 Dr. Mahmoud Suhbi, Ministry of Tourism and Development, Libya
  - *Novels in Translation*  
 Dr Meral Soyer, Lecturer, National University of Turkey
  - *The International Novel*  
 Dr Richard Dean, Lecturer, University of West London
- 13.00–14.00 Lunch
- 14.00 Coach leaves hotel for **sightseeing** tour. Visits will include:  
 Hagia Sophia/Blue Mosque/Topkapi Palace
- 17.00 Return to hotel
- 20.00 Dinner



### Programme Day 4

- 16.00 Final Plenary  
 Chair Dr John Bryan,  
 Head of English,  
 University of Leeds
- 20.00 **Farewell Dinner**

c

- 04/10/10**
- 09.00 Check in Queen Alia  
 International Airport,  
 Amman
- 11.00 Depart flight RJ401
- 15.00 Arrive Ataturk International  
 Airport, Istanbul
- 09/10/10**
- 07.30 Check in Ataturk  
 International Airport,  
 Istanbul
- 10.30 Depart flight RJ402
- 15.40 Arrive Queen Alia  
 International Airport,  
 Amman

d

**From:** laura.khuffash@bz.ac.com  
**Date:** Sat 29/9/10 07:50am  
**To:** nancy.marshal@lon.ac.uk  
**Subject:** Istanbul conference

Nancy,

Are you going to the conference in Istanbul next week? I'm giving a paper on the first day and chairing the plenary on the second day!! It would be great to see a **familiar face** in the audience. If not, I'll send you a copy of my paper on 'English as a World Language' and you can tell me what you think. Any **criticism** welcome! The programme looks great – we've even got some sightseeing arranged each day. I'm really **looking forward to** visiting the Blue Mosque – I've only ever seen photos of it. Don't forget to let me know if you'll be there.

Best wishes,  
 Laura

5 Skim extracts a–f. What type of texts are they? Label them.

- poem
- medical textbook
- history textbook
- novel
- note
- student essay

a

The chicken farm had been his idea, after Charles came back from the East with malaria. Work in the open air, Rivers had advised. He was paying for it now. As he left the shelter of the hedge and set off across two-acre field, a great gust of 'open air' almost lifted him off his feet.

b

Some of the features of the typical (medieval) village were inherent in the essential needs of agriculture and of social life, and may therefore appear too obvious to be worth specifying. The most obvious characteristic of the village was its topography.

c

### *A thing of beauty is a joy for ever*

*A thing of beauty is a joy for ever:  
Its loveliness increases; it will never  
Pass into nothingness: but still will keep  
A bower quiet for us, and a sleep . . .*

d

*Paul, can't come to the lecture today – not feeling well.  
Can you explain to the prof. and can I look at your notes?!!  
Cheers,  
Tom*

e

**Dysphagia** This term includes both difficulty with swallowing and pain on swallowing. The former symptom is more prominent in obstruction and the latter with inflammatory lesions. The patient can sometimes point to the site of the obstruction.

f

*In conclusion, it is clear that the arguments in favour of reducing carbon gases through the increased use of renewable sources are stronger than those supporting the increased building of nuclear power stations.*

6 **Read STUDY SKILL** Choose a style or styles from the box to describe texts a–f in exercise 5. Underline vocabulary, phrases, and any examples of punctuation in the extracts that helped you decide.

informal   formal   literary   academic   medical

Extract a: a novel – literary style

### **STUDY SKILL Purpose and audience (2)**

The choice of vocabulary, grammatical style, and punctuation of a text depends on its purpose and its expected audience.

When you are writing, think about *who* is going to read your work and *why* you are writing. Then decide what the overall style should be, for example *literary, academic, formal, informal*, etc.

## WRITING Invitations

1 Skim emails A and B. Which is formal? Which is informal?

**A**

Dear Nancy,

Thanks for the invitation to your wedding. Congratulations to you both! **I'd love to come.** How exciting! I've already booked flights – **see attachment.**

**It'd be great if you could send me the email address of the hotel you're booking me into.**

**I'm really looking forward to seeing you again.**

**Best wishes** (and to Mark, too!),

Laura

**B**

Dear Dr Bryan,

I have great pleasure in accepting your kind invitation to the 3rd International Conference for Teachers of English Language and Literature to be held in Istanbul from 5th to 8th October. Please find attached my arrival and departure details as requested.

It would be greatly appreciated if you could send me the contact details (email and telephone/fax) for the Istanbul City Hotel.

I look forward to meeting you and your colleagues in October.

Yours sincerely,

Dr Laura Khuffash  
Birzeit University

2 Look at the expressions in bold in email A. Find matching expressions in email B.

*I'd love to come. = I have great pleasure in accepting ...*

3 Match formal phrases 1–6 with endings a–f to make full sentences. There may be more than one possible answer. **Read STUDY SKILL**

- |   |  |
|---|--|
| 1 <input type="checkbox"/> I am writing         | a in attaching your programme.                               |
| 2 <input type="checkbox"/> I have pleasure      | b to suggest changes.  |
| 3 <input type="checkbox"/> Please find attached | c to meeting you next month.                                 |
| 4 <input type="checkbox"/> I look forward       | d your itinerary and hotel reservations.                     |
| 5 <input type="checkbox"/> I would like         | e to welcome you to our town.                                |
| 6 <input type="checkbox"/> Please feel free     | f to inform you that the conference dates have been changed. |

4 Work with a partner. Brainstorm things to do and see in your town.

5 An important lecturer is coming to visit to give a series of two-hour seminars at your college/university. Prepare a three-day programme to include hotel details, lectures (titles, venue, days and times), cultural and other free-time activities.

### STUDY SKILL Using formal expressions

When you write emails for academic or professional purposes, it is important to use a more formal tone. You can do this by learning fixed expressions by heart. For example:

- I have great pleasure in + -ing**
- I am writing + infinitive**
- I would like + infinitive**
- Please feel free + infinitive**
- I look forward to + -ing**
- Please find attached/enclosed + noun**

#### Day 1

10.00 – 12.00, 'Technology of the future'  
– Lecture Theatre 2

12.30 Lunch

3.00 Visit to the National Museum

### Writing a formal email

6 Write an email to your visitor (75–100 words) using some of the words and phrases in exercise 3. Include these points:

- Address your visitor.
- Tell him/her why you are writing.
- Give details of attachments (itinerary – dates and times of arrival and departure, lecture times and locations, accommodation).
- Briefly summarize the programme. Give an example of optional cultural and free-time activities. Tell the visitor that any suggestions for changes are welcome.
- Close the email appropriately.





## VOCABULARY DEVELOPMENT Word-building (2)

- 1 Look at the words from Unit 5. Use a dictionary to identify what part of speech each word is.

invitation international forget renewable  
criticism really enjoy greatly

- 2 Complete the table for each word with one example of each part of speech. Mark the stressed syllable. Use your dictionary to help. **Read STUDY SKILL**

verb	noun	adjective	adverb
think			
			hopefully
pain			
	pleasure		
		critical	

- 3 **Read STUDY SKILL** Match meanings 1–10 with prefixes a–j. Use the example words in *italics* to help.

- |  |                              |
|--|------------------------------|
| 1 <input type="checkbox"/> against           | a auto- <i>autobiography</i> |
| 2 <input type="checkbox"/> wrong; not        | b anti- <i>antiseptic</i>    |
| 3 <input type="checkbox"/> small/tiny        | c bi- <i>bilingual</i>       |
| 4 <input type="checkbox"/> after             | d micro- <i>microphone</i>   |
| 5 <input type="checkbox"/> two/twice         | e mis- <i>misprint</i>       |
| 6 <input type="checkbox"/> under             | f multi- <i>multimedia</i>   |
| 7 <input type="checkbox"/> across; change    | g post- <i>postgraduate</i>  |
| 8 <input type="checkbox"/> again             | h re- <i>review</i>          |
| 9 <input type="checkbox"/> by itself/oneself | i sub- <i>submarine</i>      |
| 10 <input type="checkbox"/> many             | j trans- <i>transform</i>    |

- 4 Complete definitions 1–10 with an example word from exercise 3.

- To \_\_\_\_\_ is to change something completely.
- A \_\_\_\_\_ is a piece of electrical equipment that is used for making sounds and voices louder.
- Someone who is \_\_\_\_\_ can speak two languages equally well.
- A liquid or cream which stops a cut becoming infected is called an \_\_\_\_\_.
- A type of ship which can travel underwater is a \_\_\_\_\_.
- To \_\_\_\_\_ your work is to look at it again to make sure you understand.
- An \_\_\_\_\_ is the story of a person's life written by that person.
- A \_\_\_\_\_ is someone doing further studies at a university after his or her first degree.
- \_\_\_\_\_ is using sound, pictures, and film as well as text on a screen.
- A \_\_\_\_\_ is a mistake in printing or typing.

### STUDY SKILL Suffixes

Identify the part of speech of a word (verb, noun, adjective, or adverb) to help you understand the meaning and develop your vocabulary, for example:

*inform* (v), *information* (n)  
*informal* (adj), *informally* (adv)

Suffixes give you clues to the part of speech, for example:

- *-tion, -ism, -ment, -ity, -ness* are noun suffixes, for example, *invitation*
- *-al, -ful, -able* are adjective suffixes, for example, *international*
- *-ly* is an adverb suffix, for example, *formally*

### STUDY SKILL Prefixes

Adding a prefix changes the meaning of a word. Each prefix has a different meaning and can be found as a separate entry in the dictionary. For example:

*mis-* means *wrong or not* e.g. *misunderstand*.  
*bi-* means *two or twice*, e.g. *biannual* (twice a year).

## REVIEW

1 Look at documents a–c and answer the questions.

- 1 What is each document? Label them.
- 2 Who do you think wrote each one?
- 3 Who is each one intended for?

a

Dear Dr Stone,

I am writing to apply for the William Frank Bursary in Biological Sciences at the University of West London.

I am currently in my final year of a degree in Biochemistry at Birzeit University and will graduate in July this year. Please find enclosed a reference from my tutor and a copy of my final year paper in support of my academic qualifications. ...

b

### TONBRIDGE SUMMER SCHOOLS

Reference: TSS07

#### Temporary Social Organizer

We are looking for an energetic, friendly, and patient student who wishes to improve their English while working.

Applicants should speak Arabic fluently, and English at intermediate level or above. They should have reasonable computer skills (Word and Excel) and ...

c

### TO ALL CANDIDATES:

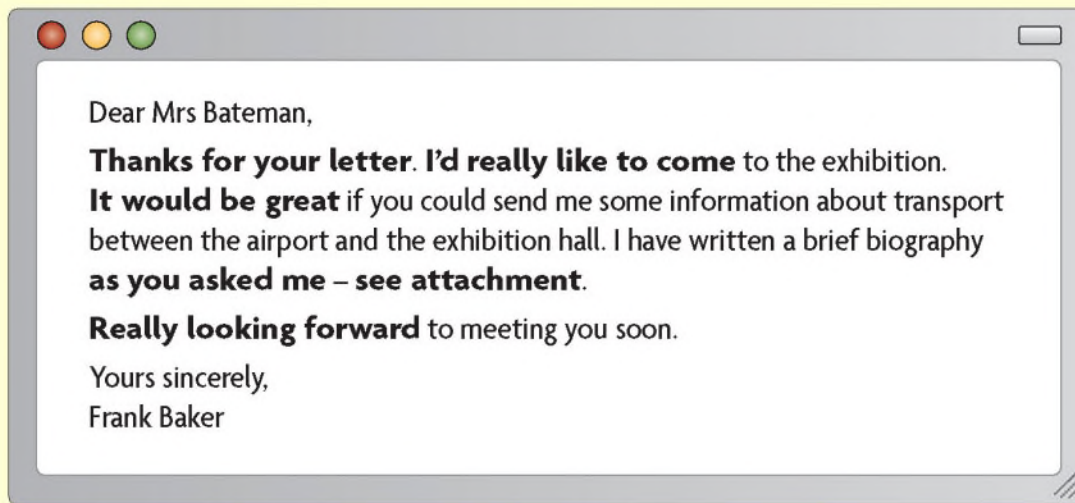
This is a reminder that the final Chemistry examination is on Tuesday 27th May at 9a.m.

Please be at the examinations centre 15 minutes before the start of the exam.

Late arrivals will not be allowed into the examination hall.

All candidates must show their university ID cards.

2 Rewrite the email to Mrs Bateman replacing the phrases in **bold** with more formal expressions.



3 Complete the paragraph with the correct form of the words in brackets. Use your dictionary to help

Dr Khuffash is <sup>1</sup>\_\_\_\_\_ (current) a senior <sup>2</sup>\_\_\_\_\_ (lecture) at Birzeit University. She is an expert on the <sup>3</sup>\_\_\_\_\_ (develop) of English as an international language. She is <sup>4</sup>\_\_\_\_\_ (particular) <sup>5</sup>\_\_\_\_\_ (interest) in the use of English in the fields of science and medicine. Dr Khuffash is also a noted <sup>6</sup>\_\_\_\_\_ (novel) and poet.



# 6 Science and our world

**READING SKILLS** Making notes • Interpreting meaning

**WRITING SKILLS** Paraphrasing and summarizing • Writing a summary

**VOCABULARY DEVELOPMENT** Noun/Verb + preposition • Using numbers

## READING Air pollution

- 1 What are the causes and effects of air pollution?  
Discuss with a partner and make two lists.

**Causes**      *factory emissions ...*

**Effects**

Skim the report *Air Pollution* on page 35.  
Are your ideas the same?

- 2 Scan the report and answer the questions.
- 1 What is the main cause of air pollution?
  - 2 What are two natural sources of air pollution?
  - 3 Which are the most polluted cities in the world?
  - 4 Where was the first study done?
  - 5 What health problems did the first study look at?
  - 6 Where was the second study done?
  - 7 What health problem did the second study look at?
- 3 Scan the report again. What do the numbers in the box refer to?

20    three times    two    25,000    250    second    2.5

- 4 Read the notes and compare them to the highlighted and underlined sections in paragraph 1 of the report. **Read STUDY SKILL**

### Air pollution – major problem

#### Man-made causes

- *vehicles – major cause*
- *power stations*
- *factories*
- *mining/building*
- *burning – fossil fuels/wood*

*∴ more cars = more pollution in major cities*

#### Natural causes

- *volcanoes*
- *forest fires*

- 5 Make notes from the underlined information in paragraph 2.
- 6 Read paragraph 3 carefully and highlight the key information.
- 7 Write about paragraph 3 from the prompts in the box.

Where ...?    What ... studied?    Who ...?  
How many ...?    Where ... live?    What results ...?



## STUDY SKILL Making notes

Take time to make good notes. They will help you to organize, record, and remember important information you have read. Use your notes to prepare for essay writing, for doing revision, and for sitting exams.

### To find and mark relevant information:

- ask yourself what information you need.
- read and underline/highlight relevant information in the text (use different colours to represent different types of information, for example, blue for *man-made causes*, yellow for *natural causes*).
- rewrite the information as notes.

### To organize your notes:

- use bullet points, headings, and numbering.

### To be concise:

- don't write full sentences. Leave out words that are not central to understanding/meaning:  
articles (*a, an, the*)      the verb 'to be'  
prepositions (*in, at, on*)      auxiliary verbs (*has sent*)
- Use some simple abbreviations and symbols:  
e.g. (*for example*)      ∴ (*therefore*)  
∴ (*because*)      = (*equals/means*)  
→ (*leads to*)

# Air pollution

Air pollution is a major problem all over the world today. Probably the single biggest contributor to the problem is the motor vehicle. However, there are many other man-made sources, such as industrial factories, power stations, mining, building, and the burning of fossil fuels and wood in homes around the world. There are natural sources of air pollution too; volcanoes and forest fires produce a lot of pollutants. However, it is the increasing number and use of motor vehicles that is doing the most damage, and logically, where there are more cars, there is more pollution, that is, in the major cities of the world. Some of the most polluted cities include Beijing, Mexico City, Athens, Moscow, and Mumbai.

## Health problem

This problem of increased pollution in the major cities of the world has led to an increase in the number of studies done to look at the effects on our health. The results so far are not very reassuring. In fact, air pollution may be a much greater danger to our health than scientists believed before. A 20-year study of residents of a Cairo suburb shows that the tiny particles in polluted air could lead to three times as many long-term health problems as was previously thought. A connection between the number of particles in the air and health is suggested by Dr Razia of Cairo University. He and his colleagues collected data on 25,000 residents of Cairo over two decades. They found that as the number of tiny particles, those less than 2.5 microns in diameter, increased, so did the risk of dying from health problems such as heart attacks and lung cancer.

## Traffic and asthma

Other studies show a similar link between traffic pollution and ill health. A second group of researchers in Ottawa, Canada, reported that children living near busy roads were more likely to develop asthma. They studied the health of 250 children in different Canadian cities. The results suggest a strong connection between how close a child lives to traffic and the possibility of that child developing asthma and other similar diseases.

It is clear from these studies and others that the time has come to start reducing the levels of air pollution in our cities for the sake of our children and future generations.



8 **Read STUDY SKILL** Read the report again. Are the statements expressed as fact (F) or speculation (S) in the text?

- 1 Growing car use is causing the most damage. **F**
- 2 More pollution in big cities has resulted in more studies being done.
- 3 Polluted air is more dangerous than people thought.
- 4 Small particles in dirty air cause three times as many health problems.
- 5 The results of the Canadian studies prove there is a link between a child living close to traffic and getting asthma.
- 6 All these studies show that it is important to reduce air pollution for the next generation.

## STUDY SKILL Interpreting meaning

Most academic and scientific articles express facts (what happened), and speculate (guess). It is important to be able to distinguish uncertainty and speculation from fact.

Uncertainty and speculation can be expressed using:

- *may, could, might* before the main verb, e.g.  
*Air pollution **may be** a much greater danger to our health ...*  
*Polluted air **could** lead to three times as many ... problems.*
- verbs such as *believe, claim, think, hope, seem*, e.g.  
*Dr Razia ... **believes** there is a connection between the number of particles in the air and health.*
- words and phrases, e.g.  
*possibly, probably, it is possible*

## WRITING Trends

- 1 Read the report *School dinner scandal*. Underline the main information.

### Report

## School dinner scandal

The results of a study into what 10,000 primary school children, that is, children aged five to eleven, ate in a day shocked the researchers. They believe it shows that children's diets are getting worse and that this might cause health problems in the future. It shows that 49 per cent of the children had eaten chips, which had been cooked in oil. Less than half had eaten a vegetable or a piece of fruit in the last 24 hours and, most shockingly, only one in ten children had eaten fish.

As Dr G. Bennett, the author of the study, concluded (2006, p191), 'Poor eating habits in early childhood can lead to health problems in later life. It is therefore essential to ensure that children eat properly.'



- 2 Read the summary. Match the highlighted words and phrases with words and phrases in the report.

*Research = a study*

### Summary

Research into 10,000 primary pupils' daily diet revealed that just under half had eaten chips, fewer than 50% had had either vegetables or fruit, and only 10% of the children had eaten fish.

- 3 Read the article *Scientists on the decline* on page 37. Highlight or underline the main information.
- 4 Make notes from the information you have highlighted or underlined. Organize them logically, and be concise.

*Number science students ↓ about 5% a year.*

## Focus on Science

### Scientists on the decline

As science becomes increasingly important in our daily lives, so the shortage of scientists gets greater. The number of students going to university to study pure and applied sciences is decreasing by about five per cent each year. This, in turn, leads to a drop in the number of people able to be science teachers in schools. This shortage of science teachers, unsurprisingly, leads to fewer school children studying science, and even fewer going on to university. Prominent scientists believe that one of the reasons is that science is undervalued in society; people do not discuss the latest scientific breakthrough in the same way they would discuss the latest bestseller. It could also be because scientists starting their professional lives are often poorly paid. However, some scientists think that the reason is a distrust of scientists because of the claims for 'breakthroughs' and 'cures' for diseases which do not actually happen. Whatever the reason, young people must be encouraged to study science. The world needs scientists.



- 5 **Read STUDY SKILL** Write sentences in your own words using your notes. Do not look back at the text *Scientists on the decline*.

*There is an annual fall of around five per cent in the number of people studying science in higher education.*

#### STUDY SKILL Paraphrasing and summarizing

You often need to use other sources, for example other people's work, in your own essays and reports.

This can be done by:

- paraphrasing information, that is, rewriting information in your own words. Use synonyms wherever possible (see Study Skill p26).
- summarizing the information, that is, linking the main points in your own words.

NOTE You may quote directly from the piece of work, but it is essential to give the source of the quote and its author, e.g.

*... Dr G. Bennett, the author of the study, concluded (2006, p191) 'Poor eating habits in early childhood can lead to health problems in later life.'*

The use of other people's work 'word for word' without saying you have done so (plagiarizing) is strictly not allowed.

### Writing a summary

- 6 Use your sentences in exercise 5 to write a paragraph (50–75 words) summarizing the text.

## VOCABULARY DEVELOPMENT

### Words that go together

1 **Read STUDY SKILL** Scan the texts in the unit to find the prepositions that go with the nouns.

- |                      |                    |
|----------------------|--------------------|
| 1 a source <u>of</u> | 5 a link _____     |
| 2 the problem _____  | 6 a level _____    |
| 3 an increase _____  | 7 a shortage _____ |
| 4 a connection _____ | 8 a distrust _____ |

2 Complete the sentences with the correct preposition. Scan the texts or use a dictionary to help.

- 1 Increased pollution may lead \_\_\_\_\_ more illness.
- 2 Forest fires can contribute \_\_\_\_\_ an increase in air pollution.
- 3 Some cyclists wear face masks to protect themselves \_\_\_\_\_ pollution.
- 4 The number of maths students has decreased \_\_\_\_\_ six per cent.
- 5 Scientists are looking \_\_\_\_\_ ways to encourage more people to study science.

### Using numbers

3 The numbers in the box are taken from the texts in the unit. Can you remember what they represent?

25,000   2.5   49%   one in ten

4 **Read STUDY SKILL** Match numbers 1–10 to facts a–j. Compare your answers with a partner.

- 1  The average temperature of a human is ...
  - 2  The coldest recorded temperature on Earth is ...
  - 3  The population of China is ...
  - 4  The height of Mount Everest in metres is ...
  - 5  The amount of the Earth that is covered by sea is ...
  - 6  The average number of hairs on a person's head is ...
  - 7  The value of the mathematical symbol pi ( $\pi$ ) is ...
  - 8  The approximate distance to the moon is ...
  - 9  The number of Arabic speakers in the world is ...
  - 10  The number of bytes in a gigabyte is ...
- a 8,850 metres  
b 37°C  
c 110,000  
d 382,500 km  
e 1,306,313,812  
f 1 billion  
g 3.14159265  
h 70%  
i -89.4°C  
j 174,950,000

### STUDY SKILL Noun/Verb + preposition

To use a word correctly, it is necessary to know the words which are associated with it, e.g.

noun + preposition   a connection *between*  
verb + preposition   to die *from*

When you look up a new word in the dictionary, remember to note the preposition(s) that go with it. The example sentences will help you choose the correct preposition.

### STUDY SKILL Using numbers

Numbers are frequently used in academic and professional writing and speaking.

**Cardinal numbers**, e.g. 22, 407, 2,056, 1,345,644

Use a comma to separate millions and thousands.

Five billion/million/  
thousand/hundred

five million (not millions)

407  
3,476

four hundred and seven.  
three thousand, four hundred  
and seventy-six

**Ordinal numbers**

first/1st   second/2nd   third/3rd, etc.

**Ratios, decimals, percentages, and temperatures**

1:5   a ratio of one to five

62%.   sixty-two per cent (not per cents)

0.7   nought /nɔ:t/ point seven

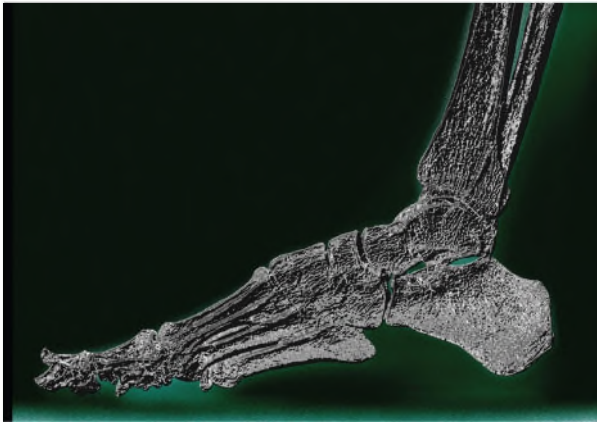
$\frac{1}{4}$   $\frac{1}{3}$   $\frac{1}{2}$   $\frac{3}{4}$    a quarter, a third, a half, three quarters

6.05   six point oh five

-5°C   five degrees (Celsius/centigrade) below zero  
minus five degrees (Celsius/centigrade)

## REVIEW

1 Read the three texts. Highlight facts in blue and speculation in pink.



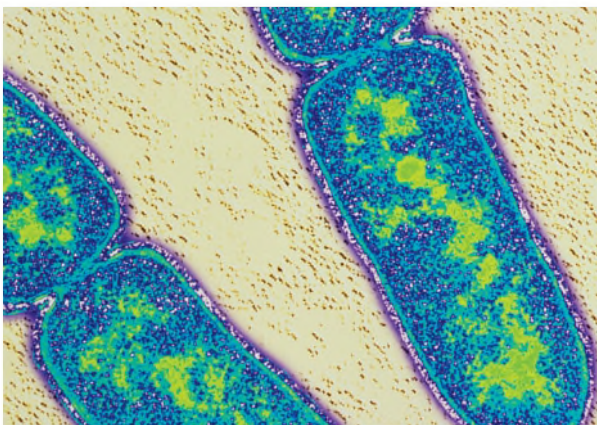
### Old shoes

Scientists believe the first shoes were worn about 30,000 years ago. When shoes are worn, the toe bones get weaker. There is evidence that humans 30,000 years ago had toes which were weaker than those of their ancestors. This, the scientists claim, is because they started wearing shoes.



### Bright veggies

Brightly-coloured fruit and vegetables, like carrots and oranges, could protect against diseases such as arthritis. These vegetables and fruit contain vitamin C and other elements which work against the disease. So, if you enjoy eating lots of oranges, you could also be helping your body to fight disease.



### The ancient origins of tuberculosis

Scientists used to believe tuberculosis (TB) was just tens of thousands of years old, but studies of ancient skeletons suggest the disease existed in East Africa three million years ago. Scientists hope to use this new information in their fight against TB, as this disease kills three million people a year.

2 Use a dictionary to find prepositions that go with the verbs and nouns.

#### verbs

apply \_\_\_\_\_  
concentrate \_\_\_\_\_  
consist \_\_\_\_\_  
depend \_\_\_\_\_  
search \_\_\_\_\_  
suffer \_\_\_\_\_

#### nouns

reason \_\_\_\_\_  
demand \_\_\_\_\_  
cause \_\_\_\_\_  
solution \_\_\_\_\_  
rise \_\_\_\_\_  
reaction \_\_\_\_\_

3 Correct the mistakes in the sentences.

- 1 Today is his forty birthday.
- 2 More than 6 millions people watched the final.
- 3 There was an increase of five point two nought six.
- 4 They received a pay rise of four per cents.
- 5 Today's temperature is 7 degrees under zero.



# 7 People: past and present

**READING SKILLS** Using original sources

**RESEARCH** Using the Internet • Developing a search plan

**WRITING SKILLS** Adding extra information • Organizing ideas (2) • Writing from research

## READING Three famous writers

- 1 Think of two books you have read recently. Who wrote them? What were they about? Why did you read them? Discuss with a partner.
- 2 Look quickly at extracts a–g on page 41. Which ones are about ... ?  
  William Shakespeare      Agatha Christie       Ahmed Shawqi
- 3 Scan the extracts and complete the notes in the chart. **Read STUDY SKILL**

### STUDY SKILL Using original sources

Decide what information you need from a source. Scan the text to find the relevant part.

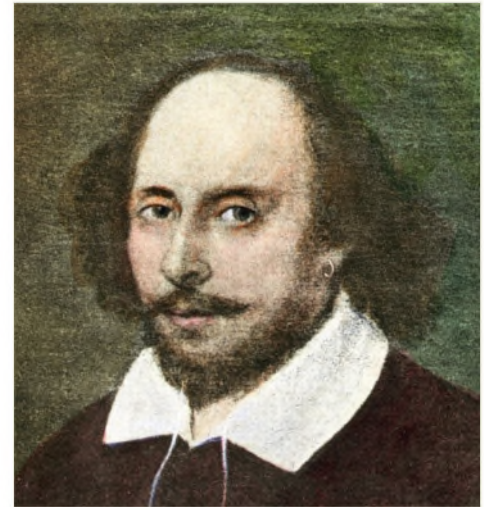
Original sources often have difficult language and unknown vocabulary, so don't worry about not understanding *everything*. You can:

- guess the meaning of unknown words from context (See Study Skill p17).
- use a dictionary.
- try a different source.

	Shakespeare	Agatha Christie	Ahmed Shawqi
country			
born			
early life and family			
profession			
famous for			
death			

- 4 Match the dictionary definitions with the words in bold from the texts.

- 1 A \_\_\_\_\_ is someone who writes poetry.
- 2 If a subject is \_\_\_\_\_ - \_\_\_\_\_, there is very little written information about it.
- 3 A \_\_\_\_\_ is a book that is bought by a very large number of people.
- 4 If you have a book \_\_\_\_\_, you have it prepared and printed for sale.
- 5 A \_\_\_\_\_ is a play that has a sad ending.
- 6 An \_\_\_\_\_ is someone who writes books.
- 7 A \_\_\_\_\_ is someone who writes plays.
- 8 A \_\_\_\_\_ is a play or film that makes you laugh.



William Shakespeare



Agatha Christie



Ahmed Shawqi

**a** William Shakespeare (1564–1616), English **playwright** and poet, recognized in much of the world as the greatest of all dramatists . . . For someone who lived almost 400 years ago, a surprising amount is known about Shakespeare's life. Indeed we know more about his life than about almost any other writer of his age . . .

Shakespeare wrote nearly all of his plays from 1590 to 1611. The great **tragedies** – including Hamlet, Othello, King Lear, and Macbeth – were written during the first decade of the 1600s. Shakespeare died on April 23, 1616.

**b** Ahmad Shawqi was born in Cairo in 1868 to a middle class family which was related to the royal family. He was raised by his grandmother . . .

**c** Agatha Christie (1890–1976), British **author** of mystery novels and short stories, is especially famous as the creator of Hercule Poirot, the Belgian detective, and Miss Jane Marple.

Agatha Christie was born in Torquay, in the county of Devon. Her father died when she was a child. Christie was educated at home, where her mother encouraged her to write from a very early age. At sixteen she was sent to school in Paris where she studied singing and piano.

In 56 years Christie wrote 66 detective novels, among the best of which are The Murder of Roger Acroyd, Murder On The Orient Express (1934), Death On The Nile (1937) . . .

In 1967 Christie became president of the British Detection Club, and in 1971 she was made a Dame of the British Empire. Christie died on January 12, 1976. With over one hundred novels and 103 translations into foreign languages, Christie was by the time of her death the best-selling English novelist of all time.

**d** Ahmed Shawqi (1868–1932) (Arabic: \_\_\_\_\_); Egyptian **poet** and dramatist . . . Shawqi produced distinctive poetry that is widely considered to be the most prominent of the 20th century Arabic literary movement.

. . . his family was well-connected with the court of the Khedive of Egypt. He attended law school, obtaining a degree in translation. Shawqi was then offered a job in the court of the Khedive Abbas II, which he immediately accepted. After a year working in the court of the Khedive, Shawqi was sent to continue his studies in Law at the Universities of Montpellier and Paris for three years.

#### *Plays*

Shawqi was the first in Arabic literature to write poetic plays. He wrote five tragedies . . . and two **comedies**.

#### *Poetry*

Ash-Shawqiyyat, his selected works, in four volumes, includes Nahj al-Burda, a tribute to the prophet Muhammed.

**e** Ahmed Shawqi is known as 'the poet of Arabism and Islam'.

His collection of poetry, Al Shawkiyat, **published** initially in 1890, remains a classic of Islamic literature.

His family's connection to Khedive's palace led him to spend his early life in luxurious conditions. After completing his education in law in Paris in 1893 and spending an additional six months in France, he returned to Egypt.

Celebrating the publishing of the second edition of Al Shawkiyat, in April 1927, Shawki was named Poet Laureate of Egypt.

**f** Shakespeare's reputation as dramatist, poet, and actor is unique . . . Sadly his life-story remains **ill-documented**. We do know that Shakespeare was born in Stratford-upon-Avon in Warwickshire, England, and that he was probably educated in the town's free grammar school. Then in 1582 he married Anne Hathaway.

The first collected edition of Shakespeare's works was published after his death in 1623 and is known as the First Folio. The plays fall into the categories of history, tragedy, comedy, and tragicomedy.

**g** Agatha Christie (1890–1976), English novelist, who was a prolific writer of mystery stories. She was born in Torquay. The Mysterious Affair at Styles (1920) began her career. Hercule Poirot is the hero of many of her works, including the classic **bestseller** The Murder of Roger Ackroyd (1926).

In 1930, while travelling in the Middle East, Christie met the noted English archaeologist Sir Max Mallowan. They were married that year, and from that time on Christie accompanied her husband on annual trips to Iraq and Syria.

In 1971 she was made a Dame Commander of the Order of the British Empire.

## RESEARCH Information on the Net

1 Read the two extracts about Shakespeare. What do you notice?

### Read STUDY SKILL

- 1 For someone who lived almost 400 years ago, a surprising amount is known about Shakespeare's life. Indeed we know more about his life than about almost any other writer of his age.
- 2 Sadly, his life-story remains ill-documented.

### STUDY SKILL Using the Internet

The Internet is a huge resource, so get to know different types of sites for finding information.

- **Search engines:** [www.google.com](http://www.google.com), [www.yahoo.com](http://www.yahoo.com) to find a fact, such as *the boiling point of mercury*.  
Some sites, [www.uk.ask.com](http://www.uk.ask.com), for example, are designed so that you type in a question, such as *What is the boiling point of mercury?*
- **Online encyclopaedias:** [www.wikipedia.org](http://www.wikipedia.org), [www.britannica.com](http://www.britannica.com) for more complete factual information, such as *the lifecycle of a mosquito*.
- **Subject directories:** [www.bubl.ac.uk](http://www.bubl.ac.uk), [www.rdn.ac.uk](http://www.rdn.ac.uk) for specialist online and written resources linked to a specific subject (economics, history, etc.) such as *World History 500–1799 + country*.

Remember that information from websites is not always reliable, so check information on two or more sites.

2 **Read STUDY SKILL** Look at the three questions. Use a search engine to find the answers.

- 1 What is Chopin famous for?  
(Search: **Chopin**)
- 2 When did Jane Austen write *Persuasion*?  
(Search first: **Jane Austen**, search second: *Persuasion*)
- 3 What is Angola's main export?  
(Search phrase: **Angola's main export**)



3 What type of Internet site would answer questions 1–6? Identify and underline the keywords, and then look up the information. Compare answers from at least two different sites. Is the information the same?

- 1 What is the average summer temperature in Amman?
- 2 How far is the Sun from the Earth?
- 3 When was the English author Charles Dickens born?
- 4 What percentage of the human body is water?
- 5 What is the average rainfall in the Amazon in May and December?
- 6 What are the main stages of the life cycle of a butterfly?

### STUDY SKILL Developing a search plan

To make an Internet search more efficient and reliable, develop a search plan.

Ask yourself questions:

- What is the general search topic?
- What information do I need to find out?
- What keywords and phrases will help me?

List the keywords and phrases in order of importance.

- 4 Read the notes about the two famous people. Three facts about each person are incorrect. Can you guess which ones?
- 5 Use the Internet to find and correct the mistakes. Underline key words or phrases to search for.



**Marie Curie** – born in France – 1867.

- the first woman to win two Nobel Prizes.
- famous for discovery, with husband Pierre, of radium – couple got the Nobel Prize for Peace in 1903.
- after husband's death continued working – 1921, won the Nobel Prize for Chemistry.



**Zinédine Zidane** – born – 1975 – Paris, France.

- one of the best footballers of all time – played for France many times.
- scored two goals in 1998 World Cup Final v. Argentina (France won 3–0), and one goal in 2006 World Cup Final.
- retired from professional football after the 2006 World Cup.

## WRITING Biographies

- 1 Read the biography of Roger Federer. Answer the questions.

- 1 When and where was he born?
- 2 When did he win his first 'Grand Slam' title?
- 3 Which three competitions did he win in 2004?
- 4 Who has also won five Wimbledon finals in a row?
- 5 What is the name of Federer's special project?

**Roger Federer** is probably the best and most famous tennis player in the world today. He was born in Basle, in Switzerland in 1981. His parents, <sup>1</sup> \_\_\_\_\_, encouraged him to start playing tennis when he was eight years old. He won his first Wimbledon title, the Wimbledon Junior, at the age of sixteen. Over the next few years he played all over the world, including in Australia, <sup>2</sup> \_\_\_\_\_.

However, it was in the year 2003 that he really began to show just how good he was. He started the year by winning two tournaments in a row, in Dubai and Marseilles. He also won his first Grand Slam title at the Wimbledon Championships. In 2004 he won three out of four Grand Slam titles, in the Australian Open, Wimbledon, and the US Open. In 2007 he equalled Björn Borg's record of winning Wimbledon five times in a row. Federer went on to win the title for a sixth time in 2009. When he is not playing tennis, Federer is busy with his special project, the Roger Federer Foundation, <sup>3</sup> \_\_\_\_\_. He is also a Goodwill Ambassador to Unicef, which also helps poor children around the world.



- 2 Here is some extra information about the tennis player. Write it in the correct place in the text. **Read STUDY SKILL**

- where he represented Switzerland in the 2000 Olympics Games
- which helps disadvantaged children
- who met when Roger's father was in South Africa on business

### STUDY SKILL Adding extra information

One way of adding extra information is to use a non-defining relative clause.

- *Roger Federer is a very famous tennis player. He was born in Basle.*
- *Roger Federer, **who was born in Basle**, is a very famous tennis player.*
- *Roger Federer, **who is a very famous tennis player**, was born in Basle.*

Use commas and relative pronouns *who* (for people), *which* (for things and animals), and *where* (for places, but omit 'there').

*Basle is a city in Switzerland. Roger Federer was born there.*

*Basle, **where Roger Federer was born**, is a city in Switzerland.*

3 Join the two sentences using a relative clause with *who*, *which*, or *where*.

1 Arthur Conan Doyle was a Scottish doctor. He wrote the Sherlock Holmes stories.

---

2 The film *Amadeus* is about the life of Mozart. It won eight Oscars.

---

3 Stratford-upon-Avon is a beautiful little town. Shakespeare was born there.

---

4 **Read STUDY SKILL** Put the biographical information about Nelson Mandela into chronological order.

### STUDY SKILL Organizing ideas (2)

Always consider carefully the most appropriate way to organize the information in your writing.

When writing a biography, for example, it is usual to follow a chronological order, that is, time order.

### Nelson Mandela – most famous politician in the world

- actively involved in the African National Congress and the fight against apartheid – the separation of black and white people
- became first democratically elected president of South Africa in 1994
- Mandela – born in South Africa in 1918 – became the most famous statesman in the world
- retired from politics in 2004, moved back to Qunu – he was born there
- was released from prison after 27 years in 1990, won the Nobel Peace Prize – shared with President de Klerk



5 Use the information from exercise 4 to write a short biography of Mandela (approximately 100 words). Use relative pronouns.

### Writing from research

6 Write a biography of a famous person from your academic field or from your country (150 words). Research five central facts: birth, early life, career, what he/she is most famous for, what he/she is doing today, and add extra information.

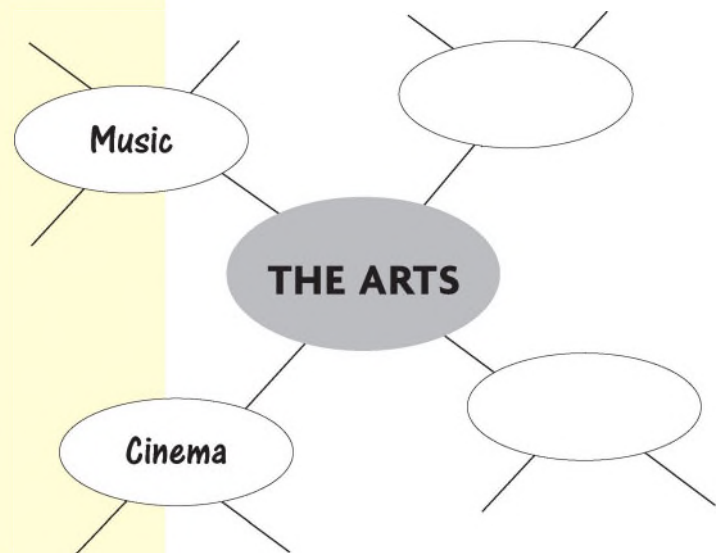
## REVIEW Organizing vocabulary (2)

- Use words and phrases from the website extracts on page 41 to complete the sentences.
  - The life of the philosopher Socrates is \_\_\_\_\_, so there are very few facts about him.
  - Molière is a famous French \_\_\_\_\_. One of his most famous plays is *The Miser*.
  - Hamlet* is an example of a \_\_\_\_\_. It has an unhappy ending.
  - This book is \_\_\_\_\_ by Oxford University Press.
  - Vikram Seth is a famous Indian \_\_\_\_\_. He has written many books.
  - Airport bookshops often only sell \_\_\_\_\_, the most popular and widely-read books.
  - John Keats is a famous British \_\_\_\_\_. His most famous poem is *To Autumn*.
  - I prefer to see \_\_\_\_\_ at the theatre because they make me laugh.
- Copy the diagram *The Arts*. Write the topic vocabulary in the box under the correct heading in your diagram. **Read STUDY SKILL**

### STUDY SKILL Topic vocabulary

Keep a vocabulary notebook or computer file and give each page a topic title, e.g. the arts, technology, etc.  
Record all new words of the same topic together on one page.

a composer   a conductor   a director   a landscape   a movie  
a novel   a portrait   a role   a sculpture   a short story  
a songwriter   a star   an abstract   an actor   an art gallery  
an author   jazz   opera   poetry   prose



- Complete sentences 1–8 with the verbs in the box.

composed   conducted   designed   directed  
painted   played   starred   wrote

- Lord Norman Foster \_\_\_\_\_ the Millau Viaduct, the highest bridge in the world.
  - Charles Dickens \_\_\_\_\_ many novels.
  - Alfred Hitchcock \_\_\_\_\_ thrillers.
  - Verdi \_\_\_\_\_ many famous operas.
  - Harrison Ford \_\_\_\_\_ in adventure films.
  - Van Gogh \_\_\_\_\_ *The Sunflowers* and many other famous pictures.
  - Scott Joplin \_\_\_\_\_ the piano.
  - Sir Georg Solti \_\_\_\_\_ the London Philharmonic Orchestra.
- What are the comments about? Use the vocabulary in exercise 2.
    - It's about ten metres tall, made of a black metal, and stands in City Square.
    - It's just lots of circles of different colours. A child could have done it.
    - The lead actor was great and the special effects were brilliant.
    - I couldn't stop until the last page. It was so exciting.
    - It was all in Italian, so I didn't understand the words, but the music was beautiful.



# 8 The world of IT

**READING SKILLS** Rephrasing and explaining • Avoiding repetition (2)  
**WRITING SKILLS** Linking ideas (3) • Coherent writing • Writing from notes  
**VOCABULARY** Abbreviations (1) and (2)  
**RESEARCH** Acknowledgements

## READING Computers

- 1 Discuss with a partner how often you use a computer to:
- download music/games/films
  - do research
  - send an email
  - shop on line
  - write an essay
- 2 Read the description of a computer. Label the diagrams using the words in the box.

CPU    CD/DVD burner    USB port  
VDU (monitor)    mouse    keyboard    scanner  
printer    webcam    memory stick    speakers

**A computer** is made up of several main parts. Obviously, the most important is the CPU, or central processing unit. This is the part that houses the computer memory and processing chips, in other words, the computer's brain. Most CPUs now have a CD and/or DVD burner, that is, a device for recording onto a CD or DVD, already built into the unit. They also have USB ports, that is to say, sockets where you plug in other devices, e.g. your scanner or memory stick. Most CPUs have software, i.e. computer programs, already loaded when you buy the computer, but many people like to add other programs to personalize their computer. Other necessary parts of any computer system are the monitor or screen, the mouse, and the keyboard.

- 3 **Read STUDY SKILL** Underline seven ways of rephrasing, explaining, and giving examples in the description in exercise 2.

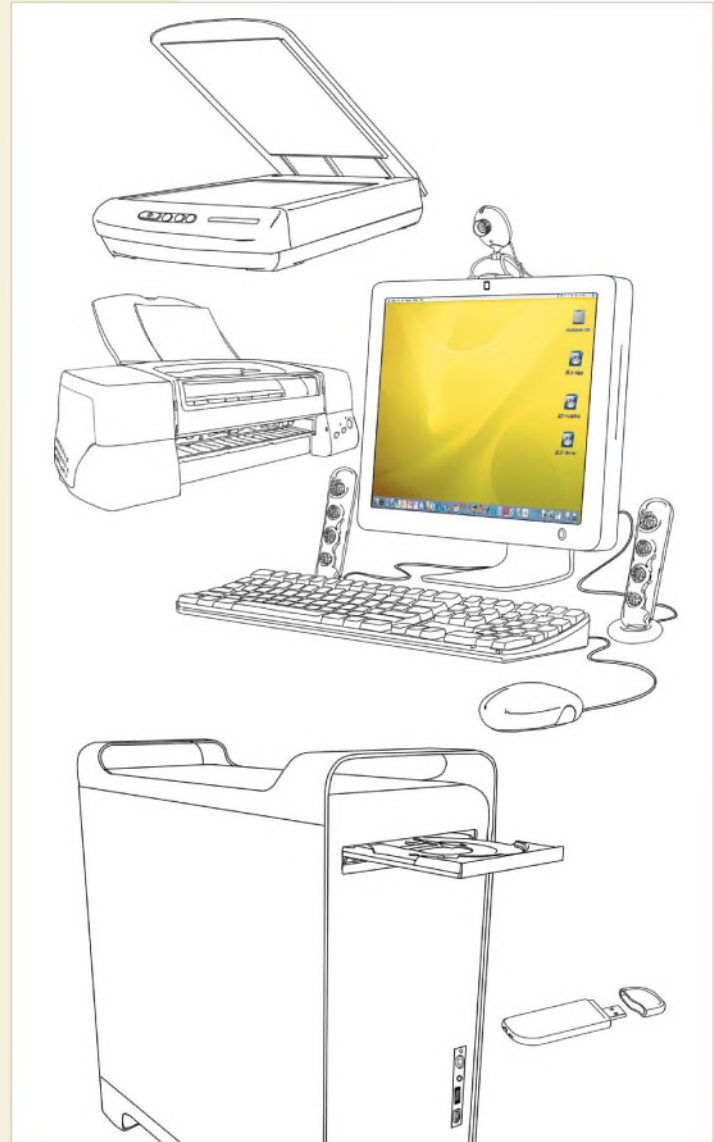
### STUDY SKILL Rephrasing and explaining

In technological or scientific texts, some words are often rephrased or explained:

... a CD burner,    **that is,**    a device for recording onto CD.  
   **i.e.**  
... hardware,    **in other words,**    the machinery of a computer.  
   **or**

Sometimes an example is given instead. Look out for:

... software    **e.g.**    anti-virus programs, ...  
   **for example**  
   **for instance**



# Computers under attack

Every time you turn on your computer and connect to the Internet, there is a possibility of attack! **It** could come via an email from a friend, a software program or music you download, or even from a CD-ROM you are using.

The most common source of danger is a 'virus', that is, a program that hides itself in documents or software, and then attacks your computer. Sometimes, **these** are not too serious. They can even be funny, but sometimes they are so serious that they crash the computer, in other words, they stop the computer working. Consequently, some companies and even government departments have had to close while **they** try to find and destroy a virus. **This** can cost millions of dollars.

One type of virus, known as a 'Trojan Horse', is designed to get your credit card details or bank passwords. Once **it** has this information, **it** is sent to organizations that steal your money from your bank or use your credit card to buy things.

Another danger is 'spyware'. Like the Trojan Horse, it hides inside your computer so that you don't know **it** is there. It might not do any damage, but it collects information about you, for example, what you buy online or what music you download. It then sends this to commercial companies.

A more common, but less dangerous, problem is 'spam', or unwanted advertising. When **it** first appeared, nobody worried about it, but now it is out of control: more than 50% of all email messages in the world are junk mail, or spam. Unfortunately, some people are now using spam to trick people and to get money from them. **This** is called 'phishing'. The simplest phishing trick is to send an email promising that you will get rich. However, to get this money, you must first send your bank details. Of course, they take the money from your bank and you certainly don't get rich!

Therefore, next time you're online, make sure your anti-virus program is up-to-date and never give anyone your bank details!

5  
10  
15  
20

4 Read the article *Computers under attack*. Match terms 1–5 with definitions a–e.

- |   |   |
|---|---|
| 1 <input type="checkbox"/> phishing     | a a hidden program that can destroy data  |
| 2 <input type="checkbox"/> spam         | b a program that can be designed to steal personal information from your computer               |
| 3 <input type="checkbox"/> spyware      | c advertising emails  |
| 4 <input type="checkbox"/> Trojan horse | d a program that steals money by tricking people into giving away personal information          |
| 5 <input type="checkbox"/> virus        | e a program that is hidden and can be used to get information about users' online buying habits |

5 What do the pronouns refer to? Look back at the article. Complete the table.

**Read STUDY SKILL**

pronoun	refers to
<b>it</b> (line 1)	<i>possibility of an attack</i>
these (line 5)	_____
they (line 8)	_____
This (line 8)	_____
it (line 10)	_____
it (line 10)	_____
it (line 13)	_____
it (line 15)	_____
This (line 18)	_____

## STUDY SKILL Avoiding repetition (2)

Pronouns are used instead of repeating the same words. Understanding what pronouns refer to helps you understand a text.

- *it* replaces a singular noun or noun phrase, e.g.  
*I bought a new computer. **The new computer** **It** was expensive.*
- *they* replaces a plural noun or noun phrase, e.g.  
*I bought some new computer games. **The new computer games** **They** are great fun.*
- *this* summarizes previous information and adds new information, e.g.  
*You should install an anti-virus program. **Installing an antivirus program** **This** will protect your computer.*

Using pronouns also makes a text more cohesive, or connected.



## WRITING IT – benefits and drawbacks

- 1 Read the paragraph *The benefits of wireless technology* slowly and carefully. Use the information to complete the notes.

### The benefits of wireless technology

A breakthrough in computer design could lead to computer technology being available in the poorest parts of the world. An IT company has developed a laptop computer that will only cost \$100. It has all the functions of an ordinary computer including WiFi and 1GB of storage. Since the price will be low, the designers hope that the laptop will be available to children in poorer parts of the world. The computer is powered by turning a handle and, as a result, it does not need an electricity supply or batteries. This should make it even more attractive to schools in the developing world.



#### Wind-up

IT company → \_\_\_\_\_ \$100

Low price ∴ good for children in \_\_\_\_\_ countries

All functions e.g. WiFi / 1GB storage

Powered \_\_\_\_\_ ∴ no electricity \_\_\_\_\_ required

- 2 Write simple sentences using the completed notes from exercise 1. Do not look back at the paragraph.

*An IT company has produced a laptop for just \$100.*

- 3 **Read STUDY SKILL** Link the sentences using the words and phrases in brackets.

- 1 Many people do not back up their computer files.  
They lose a lot of data. (so)
- 2 Many users don't empty their mailboxes.  
They may have problems downloading their mail. (As a result)
- 3 There is a serious threat from viruses.  
Many people install an anti-virus program. (because)
- 4 Many employees do not know how to use basic programs effectively.  
Many companies offer IT training. (Consequently)
- 5 People use copies of programs.  
Manufacturers put in secret codes to detect copies. (since)

- 4 Link your sentences from exercise 2 using words and phrases from the Study Skill box.

### STUDY SKILL Linking ideas (3)

To connect ideas that show the cause and result, use linking words and phrases.

- For **cause**, use *because, as, since*:

*People in some parts of the world cannot afford computers **since/as/because** they are too expensive.*

- For **result**, use *as a result, consequently, therefore, so*:  
*He didn't have an antivirus program, and **as a result**, a virus attacked his computer.*

*Computer scientists have tried hard to stop spam.*

***Consequently**, the senders of spam have become more sophisticated.*

*TV in the UK will be digital in 2012. **Therefore**, everyone will have to buy a digital receiver.*

*Batteries are too expensive, **so** the computer is powered by solar energy.*

## Writing from notes

- 5 **Read STUDY SKILL** Use the notes to write a paragraph about computer crime.

*The number of computers and computer networks has grown enormously over the past few years. Consequently, ...*

### Computer Crime

- 1 Number computer networks ↑ ∴ opportunity for crime ↑
- 2 Number people buying online ↑ = ↑ criminals steal (e.g credit cards)
- 3 IT experts make networks secure ∴ criminal gangs hire own experts
- 4 ∴ need ↑ online security + better systems to protect users

### STUDY SKILL Coherent writing

To write up your notes in a natural and coherent style:

- make good notes (see Study Skill p34)
- write simple sentences, and join them using linking words and phrases (see Study Skill pp13, 24, and 48)
- use synonyms and pronouns to avoid repetition (see Study Skill pp26 and 47)

## VOCABULARY DEVELOPMENT *e.g., etc.*

1 **Read STUDY SKILL** Match abbreviations 1–8 with their meanings a–h. Check your answers in a dictionary.

- |                                      |  |
|--------------------------------------|--|
| 1 <input type="checkbox"/> e.g.      | a and more of the same   |
| 2 <input type="checkbox"/> c. or ca. | b for example  |
| 3 <input type="checkbox"/> cf.       | c page or pages  |
| 4 <input type="checkbox"/> i.e.      | d make a note/remember   |
| 5 <input type="checkbox"/> ibid.     | e that is  |
| 6 <input type="checkbox"/> N.B.      | f about/approximately  |
| 7 <input type="checkbox"/> p. or pp. | g compare this with ...  |
| 8 <input type="checkbox"/> etc.      | h a reference to a source (book or website) referred to previously |

2 Complete the sentences using abbreviations from exercise 1.

- 1 People now listen to music in a wide variety of ways, such as on a personal stereo, iPod, podcasts, \_\_\_\_\_.
- 2 The world population today is \_\_\_\_\_ six billion people.
- 3 There are several other problems involved in computer programming (see \_\_\_\_\_ 173).
- 4 There are several career options for graduates in biochemistry, \_\_\_\_\_ working in the pharmaceutical industry.
- 5 \_\_\_\_\_ The library closes at 23.00.

3 Use a dictionary or the Internet to find out what the computer abbreviations stand for. Write how to say each abbreviation. **Read STUDY SKILL**

1 CPU	<i>central processing unit</i>	<i>/sɪˈpiːˈjuː/</i>
2 CD	_____	_____
3 CD-ROM	_____	_____
4 RAM	_____	_____
5 WiFi	_____	_____
6 GB	_____	_____
7 www	_____	_____
8 R/W	_____	_____
9 USB	_____	_____
10 user ID	_____	_____
11 IP	_____	_____
12 VDU	_____	_____

4 Which abbreviations in exercises 1 and 3 are acronyms?

### STUDY SKILL Abbreviations (1)

There are many common abbreviations that are used in academic and technical texts. Understanding their meaning will help you to understand the text itself better.

**e.g.**

**c. or ca.**

**cf. i.e.**

**ibid N.B.**

**p. or pp.**

**etc.**

### STUDY SKILL Abbreviations (2)

Some abbreviations are said as individual letters, e.g. BBC. Some are acronyms, that is, said as words, e.g. OPEC /'əʊpek/. Check in your dictionary how to say the abbreviations.

## RESEARCH Crediting sources

- 1 **Read STUDY SKILL** Look carefully at the book references. Are the statements true (T) or false (F)?

Curnick, L. (2005). Biology Made Easy. Crawford Press.  
Marsden, P. (2004). *Life in Rural Egypt*. Axminster University Press.

- 1 There is a comma after the author's family name.
- 2 The author's first name is written in full.
- 3 There is a full stop after the author's initial.
- 4 The year of publication is in brackets.
- 5 There is a comma after the year of publication.
- 6 The title of the book can be underlined or written in italics.
- 7 There is a full stop after the title of the book.
- 8 There is a comma at the end of the reference.

- 2 Write out the references as entries in a bibliography.

<i>The Greatest Inventions of All Time</i>	John Reading	Axminster Uni. Press	2001
<i>I is for Information</i>	Helen Campbell	Uni. of Ashford Press	2005
<i>A History of the Periodic Table</i>	Fern Daniell	Crawford Press	2004
<i>A Student's Guide to Study Skills</i>	Christine Dix	Edinburgh Book Press	2001
<i>What is Information Technology?</i>	Simon Naylor	Rogers and Sons	2005

- 3 Look carefully at the website acknowledgement. Notice the style.

"Avicenna" Wikipedia, The Free Encyclopedia [http://en.wikipedia.org/wiki/Ibn\\_Sina](http://en.wikipedia.org/wiki/Ibn_Sina) (15 June 2006)

Find and correct one style mistake in each of the web references 1–3.

1  
"History Trail: Archaeology" BBC  
<http://www.bbc.co.uk/history/lj/archaeologylj/preview/shtml> (1 May 2006)

2  
"Periodic Table" Webelements  
<http://www.webelements.com/> (6 November 2006)

3  
"United Arab Emirates" WorldAtlas.com <http://worldatlas.com/webimage/countries/asia/ae.htm> 22 October 2006

## STUDY SKILL Acknowledgements

Writing an essay often involves using information taken from other sources, e.g. books or websites. It is important to acknowledge these sources in a bibliography at the end of your essay.

Styles vary in different departments. Check your department's style and use the same.

### For books:

- list the sources by author's surname in alphabetical order.
- give the author's name, the title, the publisher, the year of publication.
- use the same order and punctuation for each reference.

### For websites:

- give the author's name if known.
- give the title of an article in inverted commas and underline or italicize the source of the work.
- give the full address.
- give the date you accessed the web page in brackets.

## REVIEW

- 1 Read the three paragraphs. Draw arrows from the pronouns in bold to the noun or noun phrase they refer to.

### A Digital television UK

Although the UK government only plans to have switched completely to digital television by 2012, **it** recommends that people switch to **it** now, if they can. The best way to get digital TV is to buy a stand-alone receiver. **This** connects to most modern televisions via an aerial on the roof.

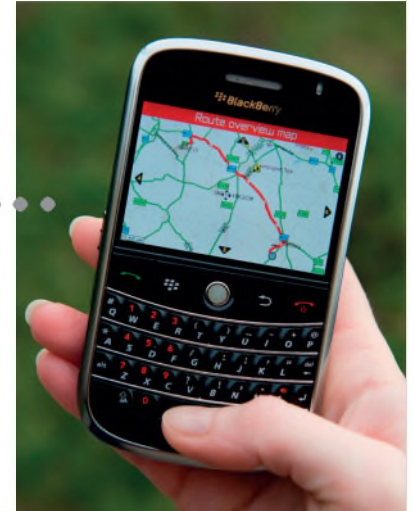


### B Laser dentistry

Very few people enjoy going to the dentist. However, the latest laser drills are extremely accurate. **They** are also nearly painless. Dentists find **them** very easy and efficient to use, and **they** say that patients are much more relaxed during treatment.

### C The Death of Guide Books

In the past, most people would take guide books with **them** when **they** were travelling on holiday. But now, a combination of location apps on phones, information via Twitter and travel blogs has made **them** unnecessary. Information via **these** sources is more up to date and is often more useful because **it** is based on people's personal experience.



- 2 Link the pairs of sentences using a cause or result word or phrase.

- 1 Children are learning to use computers at school.  
Many young people are better at computers than their parents.
- 2 Many people have a password to open programs on their computers.  
They don't want other people to see their data.
- 3 Receiving spam can cause problems.  
People install anti-spam programs.
- 4 Most businesses want their employees to be able to use computers.  
There has been an increase in the number of computer courses available.
- 5 Computer chips are smaller and more powerful than ever before.  
Computers can be smaller but faster.

- 3 Match note-making symbols 1–12 with meanings a–l.

1	<input type="checkbox"/>	∴	a	and
2	<input type="checkbox"/>	∴	b	greater than
3	<input type="checkbox"/>	=	c	falling/decreasing/dropping
4	<input type="checkbox"/>	≠	d	therefore/so
5	<input type="checkbox"/>	→	e	about/circa/c.
6	<input type="checkbox"/>	>	f	uncertain/not sure
7	<input type="checkbox"/>	<	g	does not equal/is not the same as
8	<input type="checkbox"/>	≅	h	equals/is the same as
9	<input type="checkbox"/>	↑	i	less than
10	<input type="checkbox"/>	↓	j	leads to/implies
11	<input type="checkbox"/>	&	k	because/as/since
12	<input type="checkbox"/>	?	l	rising/increasing/growing

# 9 Inventions, discoveries, and processes

**READING SKILLS** Intensive reading • Linking ideas (4)

**WRITING SKILLS** The passive voice • Clarifying a sequence • Writing a description of a process

**RESEARCH** Using indexes

## READING How things work

- 1 Work with a partner. Read the sentences describing the benefits of five inventions. What inventions do they refer to?
  - 1 The sound quality is good and you can move freely as you speak.
  - 2 Connect to the Internet without plugging it into a phone line.
  - 3 You don't have to get out of the car – just press a button and drive in.
  - 4 You can listen for the baby crying from a different room.
  - 5 Use this to download music and take it with you wherever you go.
- 2 What makes the inventions work? Skim the title and paragraph 1 of the text on page 53 to check. Were you right?
- 3 **Read STUDY SKILL** Read paragraph 2 of the text. Answer the questions.



### STUDY SKILL Intensive reading

Students often read intensively in order to make notes, or fully understand what they are reading.

To focus on the detail of what you are reading:

- ask yourself *why* you are reading and *what* you need from your reading. Skim the text including the title and any diagrams or tables, to get an overview.
- read the material from beginning to end. Circle words and phrases you don't know, but *don't* stop reading to look them up.
- read the material more slowly and underline/highlight the *main ideas*. Then make notes (see Study Skill p34) – if the text is very difficult, read it two or three more times before making notes.
- go back to the *new vocabulary* you circled. If necessary, look up the words in a dictionary. Record them appropriately (see Study Skill p8).

- 1 What makes the 'voice waves' stronger?
  - 2 What sends out the 'radio waves'?
  - 3 What picks up the 'radio waves'?
  - 4 What are the 'radio waves' turned back into at first?
- 4 Find the words in the box in paragraph 2 and underline them. If necessary, check the meanings in a dictionary.

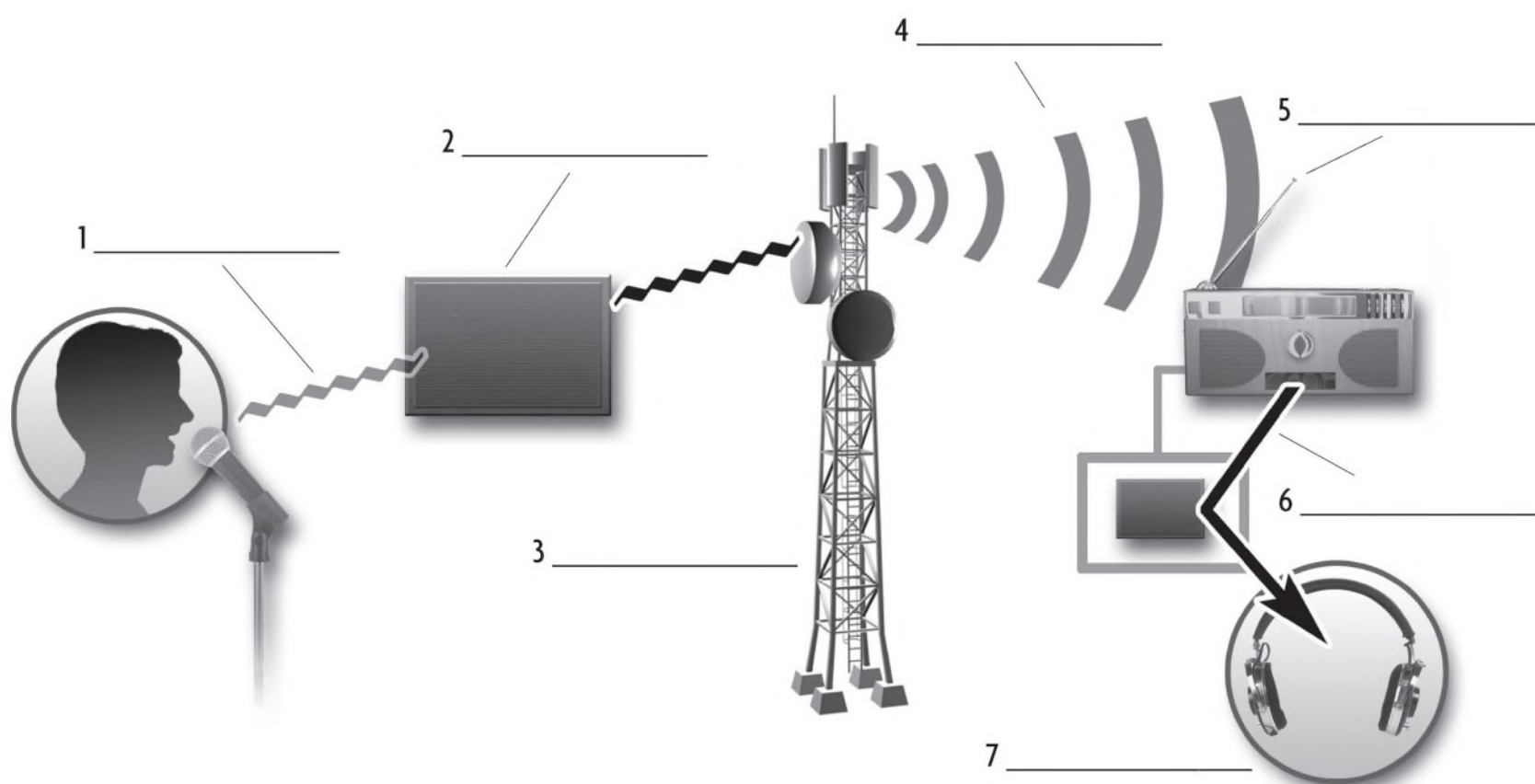
amplifier (x2)   headphones   large aerials  
radio waves (x2)   receiving aerials   voice waves (x2)

- 5 Look at the diagram in the text. What does it show?
- 6 Read the text again. Label the diagram using the words from exercise 4. Compare your labelled diagram with a partner's.

# The old-fashioned secret behind modern technology

**1** Have you heard of Guglielmo Marconi? He is said to have invented radio at the end of the nineteenth century. Until television became widespread, radio was one of the basic means of communication and entertainment. The simple transistor radio may seem a little old-fashioned in these days of mobile phones, laptop computers, and iPods. However, radio waves, which are invisible and undetectable to humans, have changed the world completely. When you use a mobile or cordless phone, a wireless network for your laptop, or switch TV channels by remote control, you are using radio waves.

**2** So, how does it work? Let's take a radio programme as an example. Firstly, in the studio the voices and music are turned into electronic signals, called 'voice waves'. Next, they are made stronger by passing them through an amplifier. These stronger waves are called 'carrier waves' and they are passed to large aerials. Then the aerials send out these waves, which are now called 'radio waves'. These are subsequently picked up by a receiving aerial, in this case, the one on your radio. After this, the radio waves go through a reverse process. They are first turned back into voice waves, then passed through another amplifier, and finally sent out through speakers or headphones. The result is your favourite music or the latest news!



**7** **Read STUDY SKILL** Look again at paragraph 2 of the text and underline eight sequencing words or expressions.

## STUDY SKILL Linking ideas (4)

Sequencing words are used to link steps in a description of a process.

Some examples are:

- *Firstly, ... Secondly, ... etc.*
- *Then ... Next, ... After that, ... Subsequently, ... etc.*
- *Finally, ... Lastly, ...*

## WRITING How things are made

- 1 **Read STUDY SKILL** Complete the sentences using the verb in brackets in the correct form of the passive.

### STUDY SKILL The passive voice

When describing a process or a scientific experiment, it is important to write in a neutral style, as an observer. To do this, you can use the passive voice.

The Present Simple Passive is often used in descriptions of processes:

*is/are + past participle*

*Voices are turned into voice waves.*

The Past Simple Passive is often used to talk about inventions and discoveries:

*was/were + past participle*

*Radio was invented by Guglielmo Marconi.*

- 1 The telephone \_\_\_\_\_ (invent) by Alexander Graham Bell.
  - 2 A man \_\_\_\_\_ (send) into space for the first time in 1961.
  - 3 X-rays \_\_\_\_\_ (discover) by William Roentgen.
  - 4 Penicillin \_\_\_\_\_ first \_\_\_\_\_ (manufacture) in the 1940s.
  - 5 Paper \_\_\_\_\_ (make) from trees.
  - 6 A lot of paper \_\_\_\_\_ (recycle) these days.
  - 7 Water and fats \_\_\_\_\_ (use) to make soap.
  - 8 Glass \_\_\_\_\_ (make) from silica and limestone.
- 2 Read about the glass-making process. Complete the text with the verbs in brackets in the passive.

**Glass** was probably first made by the Egyptians about 5,000 years ago. It <sup>1</sup> \_\_\_\_\_ (make) from silica, which comes from sand, limestone, and soda ash. Firstly, old glass <sup>2</sup> \_\_\_\_\_ (add) to the silica. Then, the silica and the old glass <sup>3</sup> \_\_\_\_\_ (mix) in a machine. Next, this mixture <sup>4</sup> \_\_\_\_\_ (melt) in a furnace. Finally, the mixture <sup>5</sup> \_\_\_\_\_ (press) into shapes such as light bulbs.



- 3 Read the notes about the soap-making process. Expand them into full sentences using the verbs in brackets in the passive.
- 1 hot water & oil/fat (mix together) *Hot water and oil and fat are mixed together.*
  - 2 mixture (distil)
  - 3 alkali & perfume (add, mix well)
  - 4 mixture (roll, dry, compress)
  - 5 soap (cut, wrap, pack)

### Writing a description of a process

- 4 **Read STUDY SKILL** Write your sentences about the soap-making process into a paragraph. Use linking words from the box.

Firstly, Next, Then After that, Finally,

### STUDY SKILL Clarifying a sequence

To describe a process clearly:

- divide the process into steps.
- make notes on each step.
- expand your notes into full sentences using the passive form.
- mark each step by using sequencing words.

## RESEARCH Reference books

1 **Read STUDY SKILL** You want to find information from a reference book on subjects 1–12. Highlight or underline the word or category word. Compare answers with a partner.

- 1 Daniel Defoe
- 2 the Eiffel Tower
- 3 the South American country, Ecuador
- 4 deoxyribose nucleic acid
- 5 the Earth's atmosphere
- 6 the Sahara Desert
- 7 the Dead Sea
- 8 total eclipses of the sun
- 9 extinct animals, such as dinosaurs and dodos
- 10 how the diesel engine works
- 11 how long the river Danube is
- 12 Durban, South Africa

2 Look at the encyclopaedia index on page 56. Quickly find the page number for the information in exercise 1. Time yourself. Check your list and compare your time with a partner.

3 Where in the index would you add words 1–8?

- |            |                                      |            |
|------------|--------------------------------------|------------|
| 1 Ecology  | <i>between Eclipse and Economics</i> | 5 Diet     |
| 2 Dynamite |                                      | 6 Egg      |
| 3 Drum     |                                      | 7 Dragon   |
| 4 Dominica |                                      | 8 Elephant |

4 Look at the inventions a–h. Where necessary, underline the key word. When were they invented? Use a reference book or search engine to find out (see Study Skill p42).

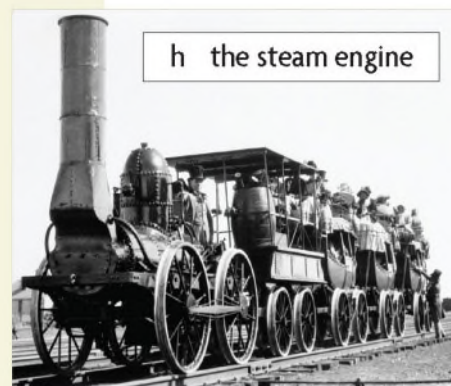
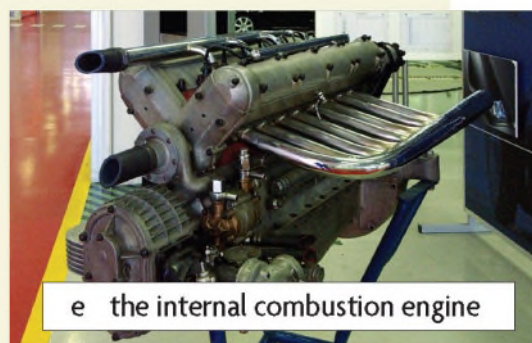
5 Which two inventions are the most important and why? Discuss with a partner.

### STUDY SKILL Using indexes

To use an index in a reference book:

- decide which is the *keyword* and look for that, e.g. *the River Danube* (Danube), or what *category* the word might be in, e.g. *Gobi Desert* (Desert) and search for that.
- scan alphabetically.

If you can't find the reference, search again using another word in the phrase or title.





**Dd**

Damascus, Syria 190, 321  
Dance 191  
    ballet  
    ceremonial  
Danube, river 192  
Dar es Salaam, Tanzania 193  
Dead Sea 195  
Deafness 195  
Decimal system 197  
Deer 198  
Defoe, Daniel (writer) 198  
Degas, Edgar (painter) 199  
De Gaulle, Charles  
    (politician) 200  
Denmark 203  
Dentistry 204  
Deoxyribose Nucleic Acid  
    (see DNA)  
Deserts 205  
Detergents 207  
Detroit, USA  
Diabetes 207  
Diamonds 208  
Dickens, Charles (writer) 209  
    *David Copperfield*  
    *Great Expectations*  
    *Oliver Twist*  
    *The Pickwick Papers*  
Dictionary 215  
Digestion 219  
Dinka 220  
Dinosaur 221  
Discrimination 223  
Disease 224  
    antibiotics  
    common cold  
    drugs  
    influenza  
    vaccines  
Dishwasher 228  
Disneyland 228  
Distillation 228  
Diving 229  
Dizziness 229  
DNA 230  
Dodo 231  
Dog 232  
Dolphin 234  
Dome 235  
Dominican Republic 236  
Donkey 237  
Doric capital 237

Double bass 238  
Dragonfly 241  
Dream 241  
Drilling 242  
Dromedary camel 243  
Drug 243  
Dubai 245  
Dublin, Republic of Ireland 245  
Duck 246  
Duck-billed platypus 247  
Dumas, Alexandre (writer) 248  
    *The Three Musketeers*  
Dundee, Scotland 249  
Dung beetle 249  
Durban, South Africa 250  
Dye 250  
Dynamo 250

**Ee**

Eagle 252  
Ear 253  
Earth 255  
    atmosphere  
    climate  
    continental shelf  
    longitude and latitude  
    ozone layer  
Earthquake 258  
Echo 260  
Eclipse 260  
Economics 261  
Ecuador 262  
Edison, Thomas (scientist) 263  
Egypt 264  
Egypt, ancient 265  
    architecture  
    art  
    engineering  
    hieroglyphics  
    Nile, river  
    Pharaoh  
    pyramid  
    Tutankhamen  
Eiffel Tower 272  
Einstein, Albert (scientist) 272  
Engines 291  
    diesel  
    internal combustion  
    petrol

## REVIEW Word-building (3)

1 **Read STUDY SKILL** Review the text on page 53 to complete the compound nouns.

- 1 \_\_\_\_\_ radio
- 2 \_\_\_\_\_ computer
- 3 \_\_\_\_\_ waves
- 4 voice \_\_\_\_\_
- 5 \_\_\_\_\_ programme

2 Match the nouns to form compound nouns. There may be more than one possible combination. Use a dictionary to find out how to write them.

- |  |              |
|--|--------------|
| 1 <input type="checkbox"/> information | a dish       |
| 2 <input type="checkbox"/> DVD         | b laboratory |
| 3 <input type="checkbox"/> answer      | c machine    |
| 4 <input type="checkbox"/> fax         | d phone      |
| 5 <input type="checkbox"/> word        | e player     |
| 6 <input type="checkbox"/> computer    | f processor  |
| 7 <input type="checkbox"/> satellite   | g technology |
| 8 <input type="checkbox"/> physics     | h virus      |

3 **Read STUDY SKILL** Complete the sentences. Use a compound adjective from the box.

hard-working	poorly-written
long-term	small-scale
self-motivated	high-speed
well-written	remote-controlled
highly-qualified	voice-powered

- 1 The new professor is a \_\_\_\_\_ biochemist.
- 2 Many devices around the house, such as televisions and CD players, are \_\_\_\_\_.
- 3 Soon many home devices will use \_\_\_\_\_ technology, so you can tell them what to do!
- 4 Most science students do some \_\_\_\_\_ research at university.
- 5 \_\_\_\_\_ essays often get a few more marks than \_\_\_\_\_ ones.
- 6 Many countries are developing \_\_\_\_\_ trains as part of their public transport infrastructure.
- 7 Although most medicines do a lot of good, some have \_\_\_\_\_ side-effects.
- 8 Interviewers often look for students who are \_\_\_\_\_ as well as \_\_\_\_\_.

4 Use your dictionary. Find other compound adjectives which begin *self-*, *highly-*, *well-*.

### STUDY SKILL Compound nouns

A compound noun can be formed by putting two nouns together. Sometimes these are written:

- as two words, e.g. *radio waves*
- as one word, e.g. *microwave*
- with a hyphen, e.g. *data-processing*

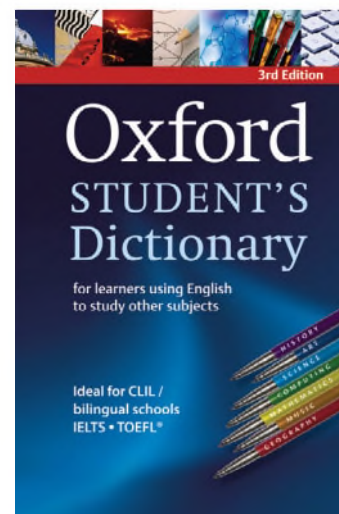
Use a dictionary to check how to write them.

### STUDY SKILL Compound adjectives

A compound adjective can be made with:

- a noun + adjective, e.g. *computer literate*
- an adjective + present/past participle, e.g. *easy-going*
- an adverb + present/past participle, e.g. *well-known*
- an adjective + noun, e.g. *blue-eyed*

Use a dictionary to check how to write them.



# 10 Travel and tourism

**READING SKILLS** Interpreting data

**WRITING SKILLS** Illustrating data • Describing a graph or chart • Writing about data

**VOCABULARY DEVELOPMENT** Avoiding repetition (3)

## READING International tourism

- 1 Work with a partner. Discuss the questions.
  - 1 When do most visitors come to your country?
  - 2 Where do most visitors to your country come from?
  - 3 What is the most popular destination for visitors?
  - 4 Where do you go for *your* holidays?
- 2 Skim the graph, bar chart, and text on page 59. Are the sentences true (T) or false (F)? Correct the false sentences.
  - 1 Paragraph 1 of the text describes the bar chart.
  - 2 Paragraph 2 of the text talks about tourist destinations.
  - 3 The graph shows the number of international tourists in 2009.
  - 4 The bar chart shows the top twelve tourist destinations in the world.
  - 5 Both diagrams show numbers in millions.
- 3 Complete the text *International Tourism* using information from the graph and chart. **Read STUDY SKILL**

### STUDY SKILL Interpreting data

Many scientific and academic texts contain statistics. These are often illustrated in graphs or charts.

Referring to graphs and charts while you are reading will help you to understand the text, and interpret the statistical data better.

- Skim the titles of the text and graphs and charts to get a general idea.
- Read the description of the horizontal and vertical data.
- Look at the graph or bar chart. Ask yourself questions:
  - What is the general picture or trend?*
  - Are there any unexpected points?*
- As you read the text, refer to the appropriate part of the diagram. Compare the information in the text with the information in the graphs and charts.

- 4 Discuss the questions with a partner.
  - 1 Have you been to any of these ten places?
  - 2 Which country or countries would you like to visit?



Turkey



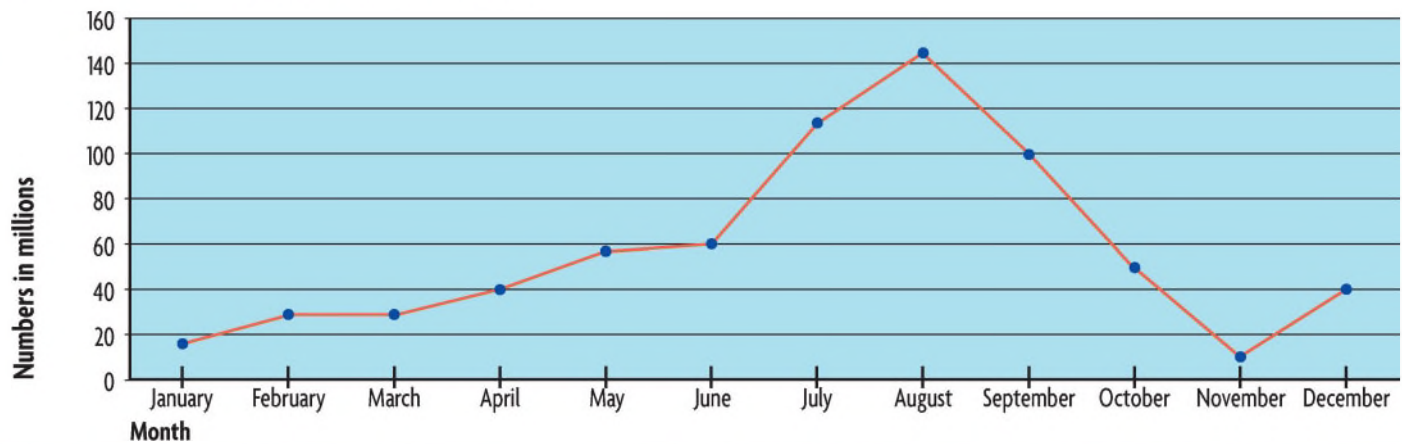
China



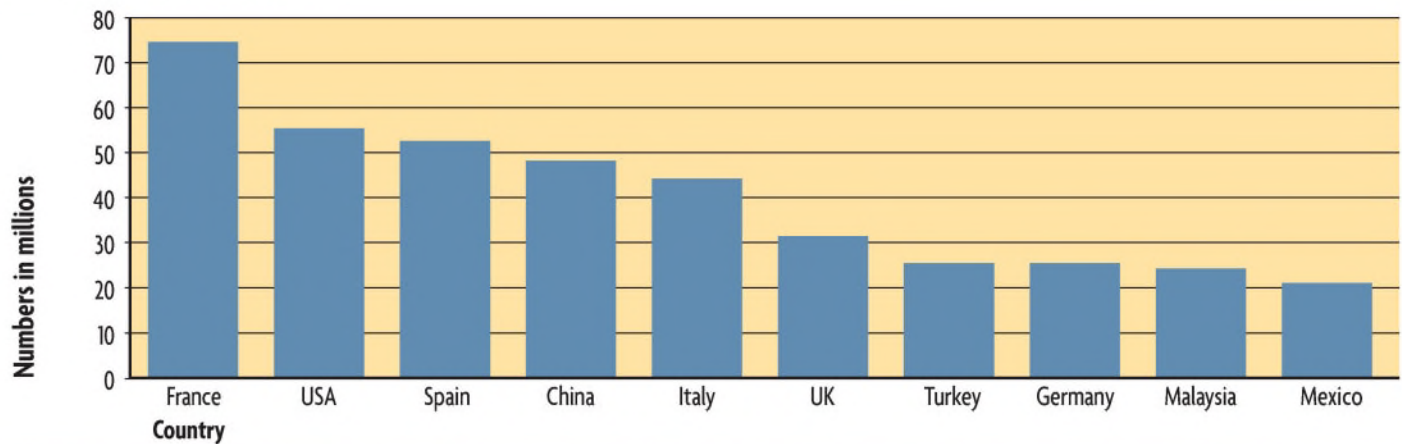
Italy

# International tourism

**Number of International Tourists 2009**



**Tourist Destinations 2009**



**1** This graph shows the number of international <sup>1</sup> \_\_\_\_\_, in millions, from January to December 2009. At the start of the year, there were approximately <sup>2</sup> \_\_\_\_\_ international tourists. This number rose by 50% in <sup>3</sup> \_\_\_\_\_ to about 30 million. The number remained stable until March. Then it grew steadily to 40 million by April and this increase continued to the beginning of May. Between the beginning of May and the beginning of June, there was only a very slight increase, and then a dramatic rise in July and <sup>4</sup> \_\_\_\_\_, reaching a peak of <sup>5</sup> \_\_\_\_\_ tourists around the world. Then in September it dropped suddenly to about 100 million, followed by a steady fall to the lowest point in <sup>6</sup> \_\_\_\_\_. At the end of the year the number of tourists rose steadily to around 40 million.

Overall, the graph shows that the most popular period for international holidays is July and <sup>7</sup> \_\_\_\_\_. The least popular time is <sup>8</sup> \_\_\_\_\_ and the beginning of the year, but there is a slight increase in <sup>9</sup> \_\_\_\_\_.

**2** The bar chart shows the top ten most popular international tourist destinations in 2009. The favourite holiday destination was <sup>10</sup> \_\_\_\_\_, which about 74 million people visited in 2009. There was a drop of about 20 million to the second most liked holiday spot, the USA, with about 55 million visitors. In <sup>11</sup> \_\_\_\_\_ place was Spain, with around 52 million tourists a year. This was followed by <sup>12</sup> \_\_\_\_\_, Italy, and the UK. There were fewer visitors to Turkey and <sup>13</sup> \_\_\_\_\_, in seventh and eighth place respectively; only about <sup>14</sup> \_\_\_\_\_ million to each country. The ninth and tenth places were taken by Malaysia and Mexico. They received between <sup>15</sup> \_\_\_\_\_ and 24 million tourists each.

## VOCABULARY DEVELOPMENT Varying vocabulary (2)

1 Write the words from the box in the table.

fall drop rise remain steady increase decrease  
fluctuate remain stable grow

go up ↑	go down ↓	go up and down ↻	stay the same →

2 **Read STUDY SKILL** Answer the questions. Use a dictionary to check the answers.

- Which words are both verbs and nouns?
- Which verbs are regular?

3 Look back at the text on page 59 to complete the table with phrases.

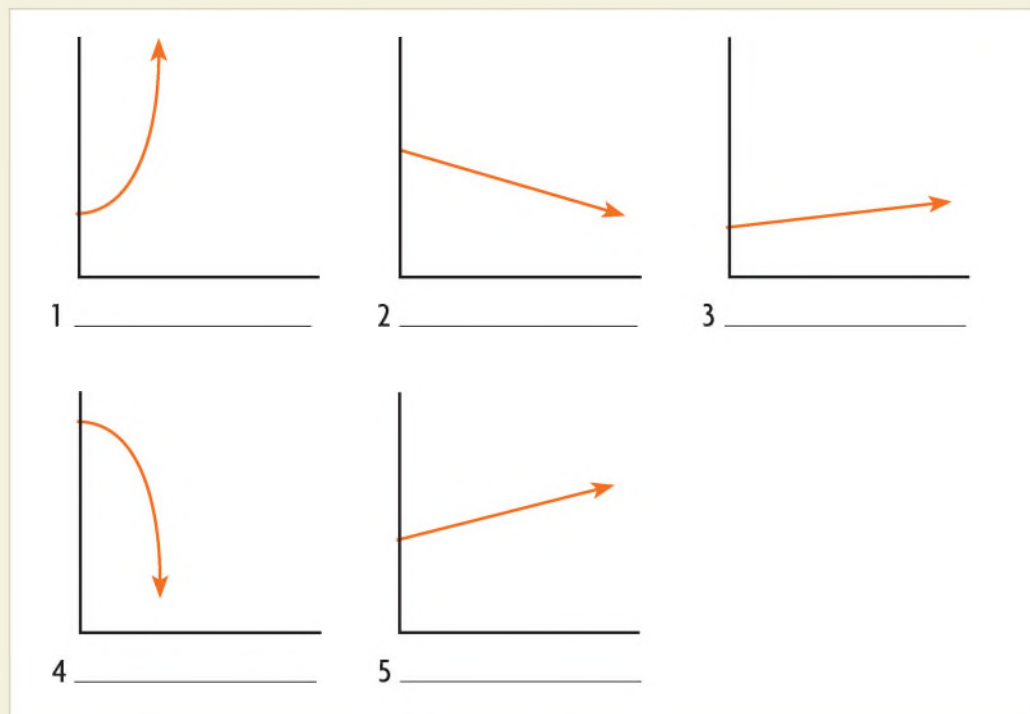
adjectives + nouns	verbs + adverbs
a steady growth	_____
_____	increased slightly
_____	rose dramatically
a sudden drop	_____
_____	fell steadily

### STUDY SKILL Avoiding repetition (3)

The language used to describe graphs can be repetitive. To avoid this, use:

- synonyms, e.g. *increase = rise*
- adjectives + nouns, e.g. *slight increase*
- verbs + adverbs, e.g. *increased slightly*

4 Match an expression from exercise 3 with the graphs.



5 Complete the expressions with adjectives from exercise 3.

- A \_\_\_\_\_ rise (or fall) is both large and fast.
- A \_\_\_\_\_ growth (or drop) is small, slow, and regular.
- A \_\_\_\_\_ increase (or decrease) is small.
- A \_\_\_\_\_ drop (or rise) is fast and unexpected.

## WRITING Graphs and bar charts

- 1 **Read STUDY SKILL** Work with a partner. Decide which way of illustrating data would be best for:
- showing the number of university students in a country from 2000 to 2010.
  - showing the difference in the number of men at university and the number of women at university in 2006, 2008, and 2010.

- 2 Look at the bar chart. Complete the text using the words in the box.

fewer    largest    more    same  
smallest    than

This bar chart shows the percentage of French, Russian, and Japanese tourists visiting my country.

In 1995 the <sup>1</sup> \_\_\_\_\_ percentage, 15%, of foreign visitors came from Russia. There were 5% <sup>2</sup> \_\_\_\_\_ visitors from France and the <sup>3</sup> \_\_\_\_\_ group (5%) were from Japan. This changed significantly in 2000, when there were <sup>4</sup> \_\_\_\_\_ French visitors (12%) <sup>5</sup> \_\_\_\_\_ Russians. Then, in 2005 there was a huge increase in the number of Japanese tourists, who formed the largest group (14%). The percentage of Russian and French visitors was the <sup>6</sup> \_\_\_\_\_, at 12%.

Overall, the percentage of French and Japanese visitors increased between 1995 and 2005, whereas the percentage of Russian tourists fell.

## STUDY SKILL Illustrating data

Graphs and bar charts are used to show different ways of illustrating data.

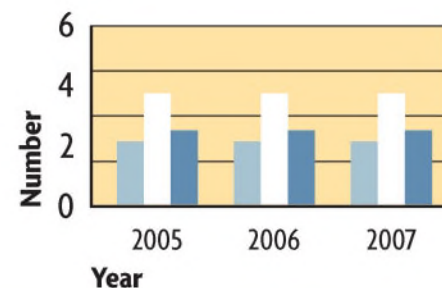
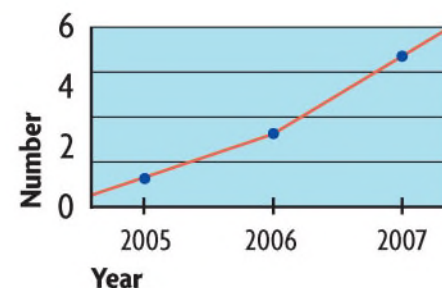
Graphs are often used to show change over a period of time.

- use prepositions of time: *in 2005, at the beginning, between May and June*

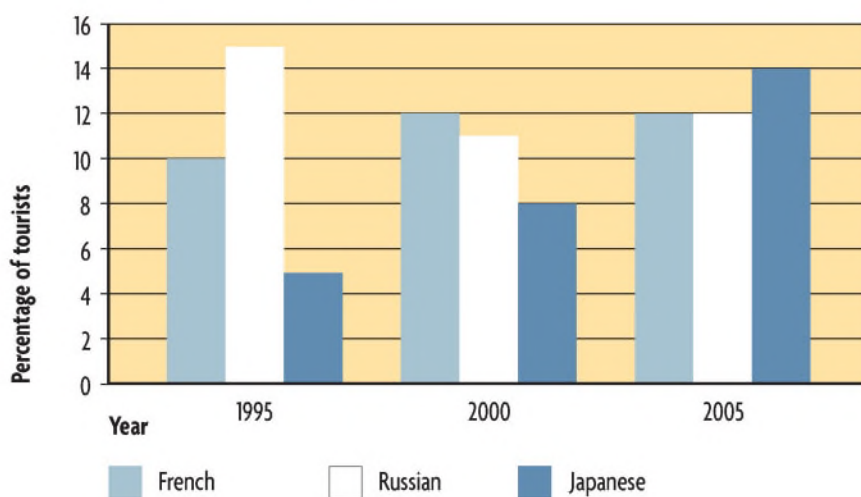
Bar charts are often used to make comparisons.

- use comparatives: *fewer visitors, and superlatives, e.g. the most popular*

Use adjective + noun and verb + adverb to describe graphs and bar charts.



**Nationality of Tourists**



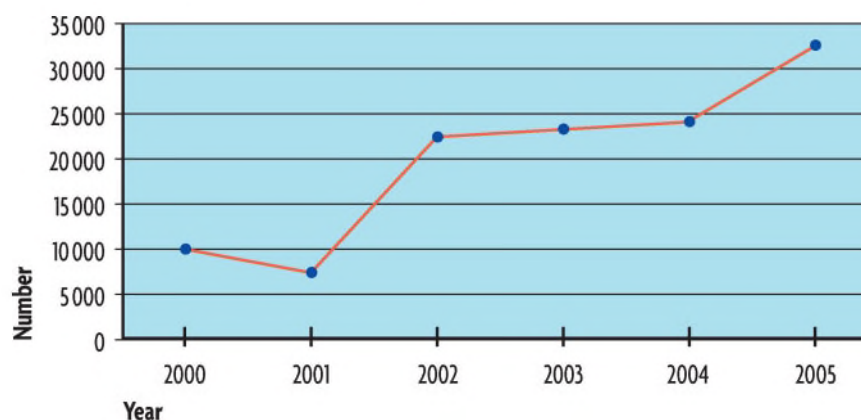
- 3 Look at the graph and complete the text with a suitable *noun, adjective, verb, adverb, or preposition*.

This graph shows the number of students at university <sup>1</sup> \_\_\_\_\_ 2000 and 2005.

In 2000 there were about 10,000 people studying at university. There was a slight <sup>2</sup> \_\_\_\_\_ in 2001 to about 8,000. This was followed by a dramatic <sup>3</sup> \_\_\_\_\_ to 22,000 <sup>4</sup> \_\_\_\_\_ 2002. After this, the number <sup>5</sup> \_\_\_\_\_ <sup>6</sup> \_\_\_\_\_ at around 23,000 people for two years. Then, the number <sup>7</sup> \_\_\_\_\_ <sup>8</sup> \_\_\_\_\_ to approximately 32,000 by 2005.

Overall, the number of students continued to rise between 2000 and 2005, apart from a slight fall in 2001.

**Number of Students at University**



- 4 Draw a graph or a bar chart to illustrate the data in a and b. Write a description for each set of data and give the descriptions titles. Write about 120 words for each. **Read STUDY SKILL**

### STUDY SKILL Describing a graph or chart

Students are often required to transform data from a graph or chart into text.

Always:

- say what the graph or chart shows.
- describe the main changes.
- summarize the major trends and/or high and low points.

Vary the vocabulary you use.

- a The amount of time needed for an average worker to earn the money to buy 1 kilo of rice.

1900	75 minutes
1920	60 minutes
1940	35 minutes
1960	20 minutes
1980	12 minutes
2000	15 minutes

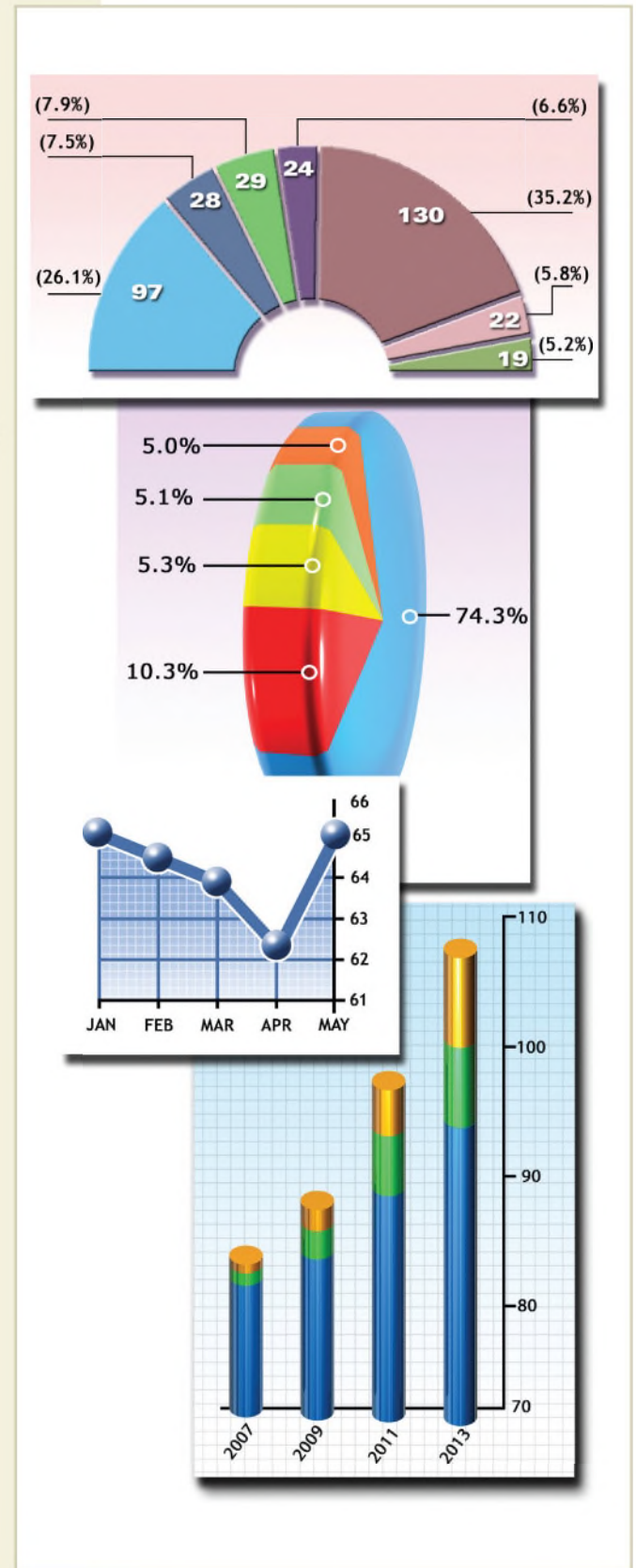
- b The number of speakers of the major languages of the world.

1	Mandarin Chinese	845,000,000
2	Hindi	366,000,000
3	Spanish	329,000,000
4	English	328,000,000
5	Arabic	221,000,000
6	Bengali	181,000,000
7	Portuguese	178,000,000
8	Russian	144,000,000

### Writing about data

- 5 Use the Internet or reference books to research one of the topics:
- the number of tourists to your country in the last three to five years.
  - the number of men and women in your country in three different years.

Draw a graph or chart to show the data, and write a description.



## REVIEW

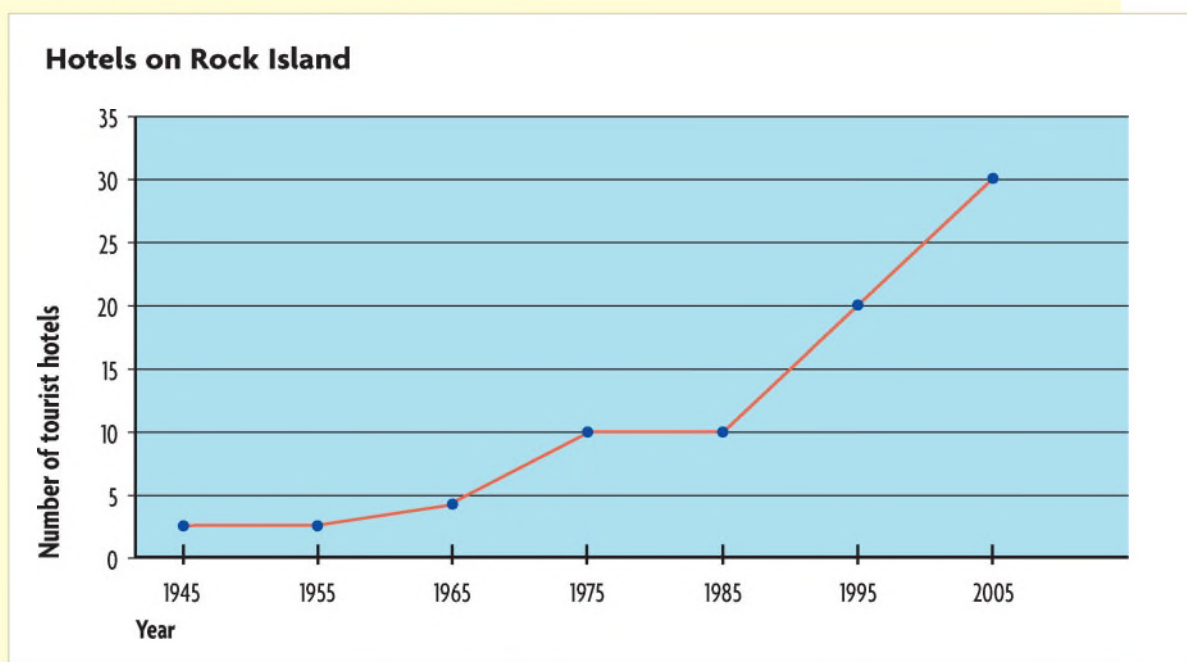
- 1 Read the description of a graph. Replace the words in bold with synonyms from the unit.

The graph shows the average cost of a one-week holiday for a family of four people from 1995 until 2005.

In 1995 the average cost of a holiday was \$500. This **increased** dramatically in 1996 to \$700 and then remained **stable** for the next year. However, in 1998 there was a slight **drop** to about \$650. This was followed by a steady **rise** over the next two years to \$800 by 2000. Between 2000 and 2003, the price **rose** dramatically again to \$1,500. It remained steady at this level in 2004 and then there was an **increase** to a peak of \$1,750 in 2005.

Overall, the graph shows that there has been a continual increase in the price of family holidays except for a slight **fall** in 1998.

- 2 Write a paragraph describing the graph.



- 3 Use the Internet or reference books to find out in which country/countries the languages are spoken.

Languages	Country/Countries
Mandarin Chinese	<i>China</i>
Hindi	_____
Spanish	_____
English	_____
Arabic	_____
Bengali	_____
Portuguese	_____
Russian	_____



# WORD LIST

Here is a list of most of the new words in the units of *Headway Academic Skills Level 2 Student's Book*.

*adj* = adjective

*adv* = adverb

*conj* = conjunction

*n* = noun

*pl* = plural

*prep* = preposition

US = American English

*v* = verb

## Unit 1

abroad *adv* /ə'brɔ:d/  
 academic year *n* /,ækədəmɪk 'jɪə(r)/  
 accept *v* /ək'sept/  
 access *n* /'ækses/  
 accommodation *n* /ə,kɒmə'deɪʃn/  
 account number *n* /ə'kaʊnt ,nʌmbə(r)/  
 advice *n* /əd'vaɪs/  
 application *n* /,æplɪ'keɪʃn/  
 application form *n* /,æplɪ'keɪʃn ,fɔ:m/  
 applied biochemistry *n* /ə,plaid ,baɪəʊ'kemɪstri/  
 apply for *v* /ə'plai ,fɔ:(r), fə(r)/  
 arrival *n* /ə'raɪvl/  
 article (in a newspaper etc.) *n* /'ɑ:tɪkl/  
 associated words *n pl* /ə'səʊsɪeɪtɪd ,wɜ:dz/  
 attitude *n* /'ætɪtju:d/  
 available *adj* /ə'veɪləbl/  
 bank statement *n* /'bæŋk ,steɪtmənt/  
 basketball *n* /'bɑ:skɪtbɔ:l/  
 biography *n* /baɪ'ɒgrəfi/  
 birth certificate *n* /'bɜ:θ sə,tɪfɪkət/  
 block capitals *n pl* /,blɒk 'kæpɪtlz/  
 boxes (on a form) *n pl* /'bɒksɪz/  
 brainstorm *v* /'breɪnstɔ:m/  
 business *n* /'bɪznəs/  
 certificate *n* /sə'tɪfɪkət/  
 commence *v* /kə'mens/  
 complete *v* /kəm'pli:t/  
 concentrate *v* /'kɒnsəntreɪt/  
 credit card *n* /'kredɪt ,kɑ:d/  
 date of birth *n* /,deɪt əv 'bɜ:θ/  
 definition *n* /,defɪ'nɪʃn/  
 delete as appropriate *v* /dɪ,lɪ:t əz ə'prəʊpɪət/  
 departure *n* /dɪ'pɑ:ʃə(r)/  
 details *n pl* /'di:teɪlz/

dictionary entry *n* /'dɪkʃnri ,entri/  
 document *n* /'dɒkjəmənt/  
 driving licence *n* /'draɪvɪŋ ,laɪsəns/  
 duration *n* /dʒu'reɪʃn/  
 effective *adj* /ɪ'fektɪv/  
 efficient *adj* /ɪ'fɪʃnt/  
 enjoyment *n* /ɪn'ɔɪmənt/  
 essential *adj* /ɪ'senʃl/  
 expiry date *n* /ɪk'spaɪəri ,deɪt/  
 extensive reading *n* /ɪk,stensɪv 'ri:dɪŋ/  
 female *adj* /'fi:meɪl/  
 file (on a computer) *n* /faɪl/  
 final exams *n pl* /,faɪnl ɪg'zæmz/  
 for future reference /fə ,fju:ʃə 'refrəns/  
 form *n* /fɔ:m/  
 grades *n* /greɪdz/  
 hall of residence *n* /,hɔ:l əv 'rezɪdəns/  
 handout *n* /'hændaʊt/  
 helpful *adj* /'helpfl/  
 highlight *v* /'haɪlaɪt/  
 homework *n* /'həʊmwɜ:k/  
 host family *n* /,həʊst 'fæməli/  
 ID *n* /,aɪ 'di:  
 identify *v* /aɪ'dentɪfaɪ/  
 important *adj* /ɪm'pɔ:tənt/  
 improve *v* /ɪm'pru:v/  
 indexes *n pl* /'ɪndeksɪz, 'ɪndɪsɪ:z/  
 informal letter *n* /ɪn,fɔ:ml 'letə(r)/  
 information *n* /,ɪnfə'meɪʃn/  
 ink *n* /ɪŋk/  
 instead *adv* /ɪn'sted/  
 instruction manuals *n pl* /ɪn'strʌkʃn ,mænʃjʊəlz/  
 intensive reading *n* /ɪn,tensɪv 'ri:dɪŋ/  
 issue date *n* /'ɪʃu: ,deɪt/  
 journal *n* /'dʒɜ:nl/  
 keep a record of *v* /,ki:p ə 'rekɔ:d əv/  
 keyboard *n* /'ki:bɔ:d/  
 literature *n* /'lɪtrəʃə(r)/  
 looking forward to *v* /'lʊkɪŋ ,fɔ:wəd tə/  
 main points *n pl* /'meɪn ,pɔɪnts/  
 make the best of *v* /,meɪk ðə 'best əv/  
 make notes *v* /,meɪk ,nəʊts/  
 male *adj* /meɪl/  
 marital status *n* /'mæɪrɪtl ,steɪtəs/  
 Master's Degree *n* /'mɑ:stəz ,di:grɪ:  
 mention *v* /'menʃn/  
 method *n* /'meθəd/  
 middle name *n* /'mɪdl ,neɪm/  
 mixture *n* /'mɪkstʃə(r)/

Miss /mɪs/  
 mobile telephone *n* /,məʊbaɪl 'telɪfəʊn/  
 Mr /'mɪstə(r)/  
 Mrs /'mɪsɪz/  
 Ms /məz/  
 MSc *n* /,em es 'si:  
 nationality *n* /,næʃə'næləti/  
 note *v* /nəʊt/  
 notebook *n* /'nəʊtbʊk/  
 novels *n pl* /'nɒvlz/  
 offer *n* /'ɒfə(r)/  
 official *adj* /ə'fɪʃl/  
 of interest *adj* /əv 'ɪntrəst/  
 particular *adj* /pə'tɪkjələ(r)/  
 particularly *adv* /pə'tɪkjələli/  
 passport *n* /'pɑ:spɔ:t/  
 plays *n pl* /pleɪz/  
 pleasure *n* /'pleʒə(r)/  
 poetry *n* /'pəʊətri/  
 postcode *n* /'pəʊstkaʊd/  
 prepare (for) *v* /prɪ'peə ,fɔ:(r), fə(r)/  
 print *v* /prɪnt/  
 process *n* /'prəʊses/  
 pronunciation *n* /prə,nʌnsi'eɪʃn/  
 punctuation *n* /,pʌŋktʃə'eɪʃn/  
 purely *adv* /'pjʊəli/  
 reading materials *n pl* /'ri:dɪŋ mə,tɪəriəlz/  
 reason *n* /'ri:zn/  
 record (vocabulary) *v* /rɪ'kɔ:d/  
 relevant *adj* /'reləvənt/  
 rented *adj* /'rentɪd/  
 reports *n pl* /rɪ'pɔ:ts/  
 required *adj* /rɪ'kwaɪəd/  
 research *n* /rɪ'sɜ:ʃ, 'ri:sɜ:ʃ/  
 results *n pl* /rɪ'zʌltz/  
 ring *v* /rɪŋ/  
 scan *v* /skæn/  
 scanning *n* /'skæniŋ/  
 scientific *adj* /saɪəntɪfɪk/  
 search engine finds *n pl* /'sɜ:ʃ ,endʒɪn ,faɪndz/  
 set text *n* /,set 'tekst/  
 shared house *n* /,ʃeəd 'haus/  
 single *adj* /'sɪŋgl/  
 skim *v* /skɪm/  
 skim reading *n* /'skɪm ,ri:dɪŋ/  
 soon *adv* /su:n/  
 special diet *n* /,speʃl 'daɪət/  
 specify *v* /'spesɪfaɪ/  
 speed *n* /spi:d/  
 spellchecker *n* /'speltʃekə(r)/  
 spelling *n* /'speliŋ/  
 sports centre *n* /'spɔ:ts ,sentə(r)/  
 statistic *n* /stə'tɪstɪk/  
 stress *n* /stres/  
 stressed syllables *n pl* /,strest 'sɪləblz/  
 stress mark *n* /'stres ,mɑ:k/  
 stress pattern *n* /'stres ,pætɪn/

study *n, v* /'stʌdi/  
 summarize *v* /'sʌməraɪz/  
 swimming pool *n* /'swɪmɪŋ ,pu:l/  
 take your time *v* /,teɪk jɔ: 'taɪm/  
 technology *n* /tek'nɒlədʒi/  
 telephone number *n* /'telɪfəʊn ,nʌmbə(r)/  
 textbooks *n pl* /'tekstbʊks/  
 timetable *n* /'taɪmteɪbl/  
 time yourself *v* /'taɪm jə,seɪf/  
 title (person) *n* /'taɪtl/  
 tourism *n* /'tuəɪzɪm/  
 translation *n* /træns'leɪʃn/  
 transport *n* /'trænspɔ:t/  
 type *n* /taɪp/  
 university *n* /,ju:nɪ'vɜ:səti/  
 vegetarian *adj* /,vedʒɪ'teəriən/  
 vocabulary *n* /vəʊ'kæbjələri/  
 wherever *adv* /weə'revə(r)/  
 wireless connections *n pl* / ,waɪələs kə'nekʃnz/  
 wish *v* /wɪʃ/  
 word card *n* /'wɜ:d ,kɑ:d/

## Unit 2

aeroplane *n* /'eərəpleɪn/  
 Africa *n* /'æfrɪkə/  
 Algeria *n* /æl'dʒɪəriə/  
 although *conj* /ɔ:l'ðəʊ/  
 amazing *adj* /ə'meɪzɪŋ/  
 Amazon *n* /'æməzən/  
 ancient *adj* /'eɪnʃnt/  
 antonyms *n pl* /'æntənɪmz/  
 apartment block *n* /ə'pɑ:tmənt ,blɒk/  
 Arab *adj* /'ærəb/  
 Arabic *n* /'ærəbɪk/  
 Asia *n* /'eɪʒə/  
 Atlantic Ocean *n* /ət,læntɪk 'əʊʃn/  
 attractions *n pl* /ə'trækʃnz/  
 Australia *n* /ə'streɪliə/  
 beaches *n pl* /'bi:tʃɪz/  
 border *n, v* /'bɔ:də(r)/  
 business *n* /'bɪznəs/  
 capital *n* /'kæpɪtl/  
 castle *n* /'kɑ:sl/  
 century *n* /'sentʃəri/  
 city-state *n* /'sɪti ,steɪt/  
 climb *v* /klaɪm/  
 coal *n* /kəʊl/  
 coastline *n* /'kəʊstlaɪn/  
 continents *n pl* /'kɒntɪnənts/  
 cottage *n* /'kɒtɪdʒ/  
 create *v* /kri'eɪt/  
 creation *n* /kri'eɪʃn/  
 depend on *v* /dɪ'pend ,ɒn/  
 desert *n* /dezət/  
 destination *n* /,destɪ'neɪʃn/  
 develop *v* /dɪ'veləp/

diagram *n* /'daɪəgræm/  
differences *n pl* /'dɪfrənsɪz/  
discard *v* /dɪs'kɑ:d/  
east *n, adj, adv* /i:st/  
economy *n* /'ɪkɒnəmi/  
Eiffel Tower *n* /'aɪfl 'taʊə(r)  
Equator *n* /'ɪkweɪtə(r)/  
Euro Disney *n* /'jʊərə 'dɪzni/  
Europe *n* /'jʊərəp/  
fabulous *adj* /'fæbjələs/  
famous *adj* /'feɪməs/  
farming *n* /'fɑ:mɪŋ/  
France *n* /frɑ:ns/  
fresh water *n* /,fref 'wɔ:tə(r)/  
frontier *n* /'frʌntɪə(r)/  
gas *n* /gæs/  
geography *n* /dʒi'ɒgrəfi/  
govern *v* /'gʌvən/  
historic *adj* /hɪ'stɔrɪk/  
history *n* /'hɪstri/  
however *conj* /haʊ'evə(r)/  
include *v* /ɪn'klu:d/  
including *prep* /ɪn'klu:dɪŋ/  
independent *adj* /,ɪndɪ'pendənt/  
industries *n pl* /'ɪndəstriz/  
Irish Sea *n* /,aɪrɪʃ 'si:/  
island *n* /'aɪlənd/  
kingdom *n* /'kɪŋdəm/  
km *n* /,keɪ 'em/  
lake *n* /leɪk/  
logically *adv* /'lɒdʒɪkli/  
loud *adv* /laʊd/  
Louvre *n* /lu:vɾə/  
Malay *n* /mə'leɪ/  
Mandarin *n* /'mændərɪn/  
man-made *adj* /,mæn 'meɪd/  
manufacturing *n*  
/ ,mænʃə'fæktʃərɪŋ/  
Mediterranean Sea *n*  
/ ,medɪtə'reɪniən 'si:/  
mining *n* /'maɪnɪŋ/  
modern *adj* /'mɒdn/  
Morocco *n* /mə'rɒkəʊ/  
mountain *n* /'maʊntən/  
mountain ranges *n pl* /'maʊntən  
,reɪndʒɪz/  
Mount Everest *n* /,maʊnt  
'evərɪst/  
museum *n* /mju:'zi:əm/  
national assembly *n* /,næʃnəl  
ə'sembli/  
natural resources *n pl* /,nætʃrəl  
rɪ'zɔ:sɪz/  
Nile *n* /naɪl/  
noisy *adj* /'nɔɪzi/  
north *n, adj, adv* /nɔ:θ/  
northern *adj* /'nɔ:ðən/  
North Pole *n* /,nɔ:θ 'pəʊl/  
ocean *n* /'əʊʃn/  
official language *n* /ə,fɪʃl  
'læŋgwɪdʒ/  
oil *n* /ɔɪl/  
polluted *adj* /pə'lu:tɪd/  
pond *n* /pɒnd/  
popular *adj* /'pɒpjələ(r)/  
rainforests *n pl* /'reɪnfɔrɪsts/

relax *v* /rɪ'læks/  
republic *n* /rɪ'pʌblɪk/  
revolution *n* /revə'lju:ʃn/  
rule *v* /ru:l/  
Sahara *n* /sə'hɑ:rə/  
scale *n* /skeɪl/  
seashore *n* /'si:ʃə(r)/  
similarities *n pl* /,sɪmə'lærətɪz/  
Singapore *n* /,sɪŋə'pɔ:(r)/  
skiing *n* /ski:ɪŋ/  
skyscraper *n* /'skɑ:skreɪpə(r)/  
south *n, adj, adv* /sauθ/  
South America *n* /,saʊθ  
ə'merɪkə/  
south-east *adj* /,saʊθ 'i:st/  
South Pole *n* /,saʊθ 'pəʊl/  
space rocket *n* /'speɪs ,rɒkɪt/  
synonyms *n pl* /'sɪnɒnɪmz/  
Tamil *n* /'tæml/  
topic areas *n pl* /'tɒpɪk ,eəriəz/  
tourism *n* /'tuərizm/  
tourist *n* /'tuəri:st/  
traditional *adj* /trə'dɪʃənəl/  
United Kingdom *n* /jə,'naɪtɪd  
'kɪŋdəm/  
unpolluted *adj* /,ʌnpə'lu:tɪd/  
Wales *n* /weɪlz/  
Welsh *n* /welf/  
west *n, adj, adv* /west/  
western *adj* /'westən/  
wild *adj* /waɪld/  
world-famous *adj* /,wɜ:ld  
'feɪməs/  
zoo *n* /zu:/  

---

### Unit 3

airline *n* /'eəlaɪn/  
apologize *v* /ə'pɒlədʒaɪz/  
appropriate *adj* /ə'prəʊpriət/  
at the top of his voice /ət ðə ,tɒp  
əv hɪz 'vɔɪs/  
Australian *adj* /ə'streɪliən/  
baggage *n* /'bæɡɪdʒ/  
baggage handler *n* /'bæɡɪdʒ  
,hændlə(r)/  
baggage truck *n* /'bæɡɪdʒ ,trʌk/  
balloon *n* /bə'lu:n/  
bang *v* /bæŋ/  
boss *n* /bɒs/  
briefcase *n* /'bri:fkeɪs/  
businessman *n* /'bɪznəsmən/  
business people *n pl* /'bɪznəs  
,pi:pl/  
businesswoman *n*  
'bɪznəswʊmən/  
captain *n* /'kæptɪn/  
case *n* /keɪs/  
catch *v* /kæʃ/  
ceiling *n* /'si:lɪŋ/  
commerce *n* /'kɒmə:s/  
comprehension *n*  
,kɒmpri'hensɪn/  
conference *n* /'kɒnfərəns/  
conference centre *n* /'kɒnfərəns  
,sentə(r)/  
content *n* /'kɒntent/  
corridor *n* /'kɒrɪdɔ:(r)/  
cowboy boots *n pl* /'kaʊbɔɪ  
,bu:ts/  
customs *n pl* /'kʌstəmz/  
die *v* /daɪ/  
direct *adj* /dɪ'rekt, dɪ-, daɪ-/  
discover *v* /dɪ'skʌvə(r)/  
encourage *v* /ɪn'kʌrɪdʒ/  
events *n pl* /ɪ'vents/  
examine *v* /ɪɡ'zæmɪn/  
exhausting *adj* /ɪɡ'zɔ:stɪŋ/  
expect *v* /ɪk'spekt/  
expected *adj* /ɪk'spektɪd/  
experienced *adj* /ɪk'spɪəriənst/  
explain *v* /ɪk'spleɪn/  
fall asleep *v* /,fɔ:l ə'sli:p/  
first-class *adj* /'fɜ:st ,klɑ:s/  
flight *n* /flaɪt/  
flight attendant *n* /'flaɪt  
ə,tendənt/  
focus on *v* /'fəʊkəs ,ɒn/  
fortunately *adv* /'fɔ:ʃənətli/  
freezing *adj* /'fri:zɪŋ/  
French *adj* /frenʃ/  
frightened *adj* /'fraɪnd/  
fruitful *adj* /'fru:tfl/  
go through (his notes) *v* /'gəʊ  
,θru:/  
greet *v* /gri:t/  
guess *n* /ges/  
hall *n* /hɔ:l/  
headline *n* /'hedlaɪn/  
hold *n* /həʊld/  
horrified *adj* /'hɒrɪfaɪd/  
horror *n* /'hɒrə(r)/  
hugely *adv* /'hju:ʒli/  
hurt *adj* /hɜ:t/  
identify *v* /aɪ'dentɪfaɪ/  
illegal *adj* /ɪ'li:gl/  
illegible *adj* /ɪ'ledʒəbl/  
illogical *adj* /ɪ'lɒdʒɪkəl/  
immature *adj* /,ɪmə'tʃʊə(r)/  
immediately *adv* /ɪ'mi:diətli/  
immigration control *n* /  
,ɪmɪ,greɪʃn kən'trəʊl/  
immobile *adj* /ɪ'məʊbaɪl/  
impatient *adj* /ɪm'peɪʃnt/  
impersonal *adj* /ɪm'pɜ:sənəl/  
impossible *adj* /ɪm'pɒsəbl/  
inappropriate *adj* /ɪnə'prəʊpriət/  
increased *adj* /ɪŋkri:st/  
indirect *adj* /,ɪndə'rekt, ,ɪndɪ-,  
,ɪndaɪ-/  
inexperienced *adj*  
,ɪnɪk'spɪəriənst/  
in fact /ɪn 'fækt/  
inform *v* /ɪn'fɔ:m/  
irrelevant *adj* /ɪ'reləvənt/  
irresponsible *adj* /,ɪrɪ'spɒnsəbl/  
jeans *n pl* /dʒi:nz/  
joke *v* /dʒɔ:k/  
kangaroo *n* /,kæŋgə'ru:  
large *adj* /lɑ:dʒ/  
legal *adj* /'li:gl/  
legible *adj* /'ledʒəbl/  
Libyan *adj* /'lɪbiən/  
linking words *n pl* /'lɪŋkɪŋ  
,wɜ:dz/  
load *v* /ləʊd/  
logical *adj* /'lɒdʒɪkəl/  
look up *v* /'lʊk ,ʌp/  
luckily *adv* /'lʌkəli/  
lucky *adj* /'lʌki/  
make sense *v* /,meɪk 'sens/  
managing director *n* /,mænədʒɪŋ  
dɪ'rektə(r), dɪ-, daɪ-/  
mature *adj* /mə'tʃʊə(r)/  
maximum *adj* /'mæksɪməm/  
MD *n* /,em 'di:/  
meeting *n* /'mi:tɪŋ/  
Middle East *n* /,mɪdl 'i:st/  
minimum *adj* /'mɪnɪməm/  
mistake *v* /mɪ'steɪk/  
mistaken identity *n* /mɪ'steɪkn  
aɪ'dentətɪ/  
mobile *adj* /'məʊbaɪl/  
moment *n* /'məʊmənt/  
moon *n* /mu:n/  
negative *adj* /'negətɪv/  
newspaper article *n* /'nju:speɪpər  
,ɑ:tɪkl/  
nod (your head) *v* /,nɒd (jɔ:  
'hed)/  
notice *v* /'nəʊtɪs/  
on the job *adv* /,ɒn ðə 'dʒɒb/  
on time *adv* /,ɒn 'taɪm/  
organizer *n* /'ɔ:gənəɪzə(r)/  
overjoyed *adj* /,əʊvə'dʒɔɪd/  
panic *v* /'pænɪk/  
part-time *adj* /'pɑ:t ,taɪm/  
passenger *n* /'pæsɪndʒə(r)/  
patient *adj* /'peɪʃnt/  
petrified *adj* /'petrɪfaɪd/  
pick (him) up *v* /,pɪk ... 'ʌp/  
pilot *n* /'paɪlət/  
place *v* /pleɪs/  
plan *v* /plæn/  
positive *adj* /'pɒzətɪv/  
possibilities *n pl* /,pɒsə'bɪlətɪz/  
possible *adj* /'pɒsəbl/  
predict *v* /prɛ'dɪkt/  
prefix *n* /'pri:fɪks/  
prepared to *adj* /prɪ'peəd tə/  
presentations *n pl* /,prezən'teɪʃnz/  
private *adj* /'praɪvət/  
promise *v* /'prɒmɪs/  
public *adj* /'pʌblɪk/  
pump *v* /pʌmp/  
punctuate *v* /'pʌŋktʃueɪt/  
put right *v* /,pʊt 'raɪt/  
regular *adj* /'regjələ(r)/  
relations *n pl* /rɪ'leɪʃnz/  
relatives *n pl* /'relatɪvz/  
relevant *adj* /'reləvənt/  
relief *n* /rɪ'li:f/  
reply *v* /rɪ'plaɪ/  
reporters *n pl* /rɪ'pɔ:təz/  
responsible *adj* /rɪ'spɒnsəbl/  
rest *n* /rest/  
return ticket *n* /rɪ'tɜ:n ,tɪkɪt/  
rush *v* /rʌʃ/  
Scottish *adj* /'skɒtɪʃ/  
seminar *n* /'semɪnɑ:(r)/

shift *n* /ʃɪft/  
 sign *n* /saɪn/  
 situation *n* /,sɪtʃu'eɪʃn/  
 smartly-dressed *adj* /,smɑ:tli  
 'drest/  
 smartly-suited *adj* /'smɑ:tli  
 ,su:tɪd/  
 solve *v* /sɒlv/  
 speech *n* /spi:tʃ/  
 speed *v* /spi:d/  
 spread *v* /spred/  
 stare *v* /steə(r)/  
 stay *n* /steɪ/  
 stowaway *n* /'stəʊəweɪ/  
 successful *adj* /sək'sesfl/  
 suitcases *n pl* /'su:tkeɪsɪz/  
 survive *v* /sə'vaɪv/  
 systems *n pl* /'sɪstəmz/  
 talk *n* /tɔ:k/  
 terrible *adj* /'terəbl/  
 therefore *conj* /'ðeəfɔ:(r)/  
 top *adj* /tɒp/  
 trade *n* /treɪd/  
 travel *v* /'trævl/  
 uncomfortable *adj* /,ʌn'kʌmfətəbl/  
 unexpected *adj* /,ʌnɪk'spektɪd/  
 unfortunately *adv* /,ʌn'fɔ:ʃənətli/  
 unhurt *adj* /,ʌn'hɜ:t/  
 unknown *adj* /,ʌn'nəʊn/  
 variety *n* /və'reɪətɪ/  
 violin *n* /,vaɪə'li:n/

## Unit 4

accelerate *v* /ək'seləreɪt/  
 accelerator *n* /ək'seləreɪtə(r)/  
 according to *prep* /ə'kɔ:dɪŋ tə/  
 achieve *v* /ə'tʃi:v/  
 acoustic *adj* /ə'ku:stɪk/  
 advantages *n pl* /əd'vɑ:ntɪdʒɪz/  
 aim *n* /eɪm/  
 aircraft *n* /'eəkra:ft/  
 amount *n* /ə'maʊnt/  
 announce *v* /ə'naʊns/  
 anytime *adv* /'enɪtaɪm/  
 at all times /ət ,ɔ:l 'taɪmz/  
 automobile *n US* /'ɔ:təmə,bɪ:l/  
 ban *v* /bæn/  
 basic *adj* /'beɪsɪk/  
 benefit *v* /'benəfɪt/  
 brakes *n pl* /breɪks/  
 brilliant *adj* /'brɪliənt/  
 cause *v* /kɔ:z/  
 channel *n* /'tʃænl/  
 choice *n* /tʃɔɪs/  
 circuit *n* /'sɜ:kɪt/  
 city-dwellers *n pl* /'sɪti ,dweləz/  
 clutch *n* /klʌtʃ/  
 cockpit *n* /'kɒkprɪt/  
 computer games *n pl* /kəm'pjʊ:tə  
 ,geɪmz/  
 conclusion *n* /kən'klu:ʒn/  
 conditions *n pl* /kən'dɪʃnz/  
 constantly *adv* /'kɒnstəntli/  
 content *n* /'kɒntent/  
 control *v* /kən'trəʊl/

convenience *n* /kən'vi:niəns/  
 copy *n* /'kɒpi/  
 correspondent *n* /,kɒrɪ'spɒndənt/  
 crash *v* /kræʃ/  
 credit cards *n pl* /'kredɪt ,kɑ:dz/  
 cultures *n pl* /'kʌltʃəz/  
 damage *v* /'dæmɪdʒ/  
 data *n* /'deɪtə/  
 dependent *adj* /dɪ'pendənt/  
 design *v* /dɪ'zaɪn/  
 despite *prep* /dɪ'spaɪt/  
 development *n* /dɪ'veləpmənt/  
 device *n* /dɪ'vaɪs/  
 digital camera *n* /,dɪdʒɪtl  
 'kæmərə/  
 directly *adv* /dɪ'rektli, dɪ-, daɪ-/  
 disadvantages *n pl*  
 /,dɪsəd'vɑ:ntɪdʒɪz/  
 disagree *v* /,dɪsə'gri:/  
 disaster *n* /dɪ'zɑ:stə(r)/  
 documentary *n* /,dɒkjə'mentri/  
 download *v* /,daʊn'ləʊd/  
 drawbacks *n pl* /'drɔ:bæks/  
 driverless *adj* /'draɪvləs/  
 edit *v* /'edɪt/  
 electronic *adj* /ɪ,lek'trɒnɪk/  
 emergency exit *n* /ɪ'mɜ:ʒənsɪ  
 ,eksɪt/  
 engines *n pl* /'endʒɪnz/  
 essential *adj* /ɪ'senʃl/  
 everyday *adj* /'evrɪdeɪ/  
 fed up *adj* /,fed 'ʌp/  
 finally *adv* /'faɪnəli/  
 firstly *adv* /'fɜ:stli/  
 for example /fɜr ɪg'zɑ:mpəl/  
 for instance /fɜr 'ɪnstəns/  
 free time *n* /,fri: 'taɪm/  
 furthermore *adv* /,fɜ:ðə'mɔ:(r)/  
 future *n* /'fju:tʃə(r)/  
 go wrong *v* /,gəʊ 'rɒŋ/  
 grow *v* /grəʊ/  
 guide *n* /gaɪd/  
 harm *n* /hɑ:m/  
 heating *n* /'hi:tɪŋ/  
 hobbies *n pl* /'hɒbɪz/  
 huge *adj* /hju:dʒ/  
 ideal *adj* /aɪ'di:əl/  
 identify *v* /aɪ'dentɪfaɪ/  
 in addition /ɪn ə'dɪʃn/  
 in conclusion /ɪn kən'klu:ʒn/  
 in contrast /ɪn 'kɒntrɑ:st/  
 increase *n* /'ɪŋkri:s/  
 industry *n* /'ɪndəstri/  
 insist *v* /ɪn'sɪst/  
 install *v* /ɪn'stɔ:l/  
 instead of *prep* /ɪn'sted əv/  
 in the first place /ɪn ðə 'fɜ:st  
 ,pleɪs/  
 introduction *n* /,ɪntrə'dʌkʃn/  
 irritating *adj* /'ɪrɪteɪtɪŋ/  
 keep in touch *v* /,ki:p ɪn 'tʌtʃ/  
 laptop *n* /'læptɒp/  
 lastly *adv* /'lɑ:stli/  
 latest *adj* /'leɪtɪst/  
 leisure *n* /'leɪʒə(r)/  
 let (sb) know *v* /,let ... 'nəʊ/

lighting *n* /'laɪtɪŋ/  
 magnetic *adj* /mæg'netɪk/  
 manage *v* /'mænɪdʒ/  
 manufacture *v* /,mænʃə'fæktʃə(r)/  
 manufacturer *n*  
 /,mænʃə'fæktʃərə(r)/  
 material *n* /mə'tɪəriəl/  
 memory sticks *n pl* /'meməri  
 ,stɪks/  
 message *n* /'mesɪdʒ/  
 microprocessor *n*  
 /,maɪkrəʊ'prəʊsesə(r)/  
 mobile phone *n* /,məʊbaɪl 'fəʊn/  
 models *n pl* /'mɒdlz/  
 motorways *n pl* /'məʊtəweɪz/  
 movie *n* /'mu:vi/  
 multi-billion *adj* /'mʌltɪ ,bɪljən/  
 needs *n pl* /ni:dz/  
 old-fashioned *adj* /,əʊld 'fæʃnd/  
 on the other hand /ɒn ðɪ 'ʌðə  
 ,hænd/  
 opinion *n* /ə'pɪnɪən/  
 opportunity *n* /,ɒpə'tju:nəti/  
 opposite *n* /'ɒpəzɪt/  
 order *v* /'ɔ:də(r)/  
 origins *n pl* /'ɒrɪdʒɪnz/  
 outlaw *v* /'aʊtlɔ:/  
 outline *v* /'aʊtlaɪn/  
 ovens *n pl* /'ʌvnz/  
 overhead *adv* /,əʊlə'hed/  
 own *v* /əʊn/  
 ownership *n* /'əʊnəʃɪp/  
 pass *v* /pɑ:s/  
 phone call *n* /'fəʊn ,kɔ:l/  
 photographer *n* /fə'tɒgrəfə(r)/  
 pilot *n* /'paɪlət/  
 plans *n pl* /plænz/  
 preview *v* /'pri:vju:/  
 previous *adj* /'pri:vɪəs/  
 professional *adj* /prə'feʃənəl/  
 project *n* /'prɒdʒekt/  
 protect *v* /prə'tekt/  
 quality *n* /'kwɒləti/  
 radar *n* /'reɪdɑ:(r)/  
 rear-view mirror *n* /,rɪə ,vju:  
 'mɪrə(r)/  
 receive *v* /rɪ'si:v/  
 reduce *v* /rɪ'dju:s/  
 reduction *n* /rɪ'dʌkʃn/  
 related to *adj* /rɪ'leɪtɪd ,tu:, tə/  
 repetitive *adj* /rɪ'petətɪv/  
 require *v* /rɪ'kwaɪə(r)/  
 rise *v* /raɪz/  
 rude *adj* /ru:d/  
 satellite TV *n* /,sætəlaɪt ,ti: 'vi:/  
 save *v* /seɪv/  
 scan *v* /skæn/  
 scanners *n pl* /'skænz/  
 secondly *adv* /'sekəndli/  
 security *n* /sɪ'kjʊərəti/  
 select *v* /sɪ'lekt/  
 sensor *n* /'sensə(r)/  
 set up *v* /,set 'ʌp/  
 significant *adj* /sɪg'nɪfɪkənt/  
 silent *adj* /'saɪlənt/  
 SIM cards *n pl* /'sɪm ,kɑ:dz/  
 slow down *v* /,sləʊ 'daʊn/

smart cards *n pl* /'smɑ:t ,kɑ:dz/  
 special *adj* /'speʃl/  
 speed up *v* /,spi:d 'ʌp/  
 steal *v* /sti:l/  
 steer *v* /stɪə(r)/  
 steering wheel *n* /'stɪəriŋ ,wi:l/  
 store *v* /stɔ:(r)/  
 straight away *adv* /,streɪt ə'weɪ/  
 street crime *n* /'stri:t ,kraɪm/  
 strongly *adv* /'strɒŋli/  
 suggest *v* /sə'dʒest/  
 suggestion *n* /sə'dʒestʃən/  
 support *v* /sə'pɔ:t/  
 system *n* /'sɪstəm/  
 take off *v* /,teɪk 'ɒf/  
 topic sentences *n pl* /'tɒpɪk  
 ,sentənsɪz/  
 to conclude /tə kən'klu:d/  
 to sum up /tə ,sʌm 'ʌp/  
 typewriter *n* /'taɪpraɪtə(r)/  
 tyres *n pl* /'taɪəz/  
 unreliable *adj* /,ʌnrɪ'laɪəbl/  
 unsuitable *adj* /,ʌn'su:təbl/  
 use *n* /ju:s/  
 value *n* /'vælju:/  
 vehicles *n pl* /'vi:əklz/  
 voice-controlled *adj* /'vɔɪs  
 kən'trəʊld/  
 waste *v* /weɪst/  
 what's more *adv* /,wɒts 'mɔ:(r)/  
 white lines *n pl* /,waɪt 'laɪnz/  
 wing *n* /wɪŋ/  
 within *prep* /wɪ'ðɪn/  
 wonderful *adj* /'wʌndəfl/  
 yours /jɔ:z/  
 yours faithfully /jɔ:z 'feɪθfəli/

## Unit 5

academic *adj* /,ækə'demɪk/  
 acre *n* /'eɪkə(r)/  
 agriculture *n* /'ægrɪkʌltʃə(r)/  
 antiseptic *n* /,æntɪ'septɪk/  
 appear *v* /ə'pɪə(r)/  
 applicants *n pl* /'æplɪkənts/  
 arguments *n pl* /'ɑ:gjəmənts/  
 arrange *v* /ə'reɪndʒ/  
 as requested /əz rɪ'kwɛstɪd/  
 attach *v* /ə'tætʃ/  
 attachment *n* /ə'tætʃmənt/  
 attend *v* /ə'tend/  
 audience *n* /'ɔ:diəns/  
 autobiography *n* /,ɔ:təbaɪ'ɒgrəfi/  
 beauty *n* /'bjʊ:ti/  
 Best wishes /,best 'wɪʃɪz/  
 biannual *adj* /baɪ'ænjʊəl/  
 bilingual *adj* /,baɪ'lɪŋgwəl/  
 biochemistry *n* /,baɪəʊ'kemɪstri/  
 biography *n* /baɪ'ɒgrəfi/  
 biological sciences *n pl* /  
 ,baɪə,lɒdʒɪkl 'saɪənsɪz/  
 book *v* /bʊk/  
 bower *n* /'baʊə(r)/  
 brief *adj* /brɪ:f/  
 bursary *n* /'bɜ:səri/  
 candidates *n pl* /'kændɪdeɪts/

carbon *n* /'kɑ:bən/  
 chair *n, v* /tʃeə(r)/  
 characteristic *n* /,kærəktə'rɪstɪk/  
 check in *v* /,tʃek 'ɪn/  
 Cheers /tʃɪəz/  
 chemistry *n* /'kemɪstri/  
 chicken *n* /'tʃɪkɪn/  
 clear *adj* /klɪə(r)/  
 coach *n* /kəʊtʃ/  
 coffee break *n* /'kɒfi ,breɪk/  
 colleagues *n pl* /'kɒli:gz/  
 collection *n* /kə'leɪʃn/  
 conference *n* /'kɒnfərəns/  
 contact details *n pl* /'kɒntækt ,di:teɪlz/  
 contents *n pl* /'kɒntents/  
 cream *n* /'kri:m/  
 criticism *n* /'krɪtɪsɪzəm/  
 currently *adv* /'kʌrəntli/  
 cut *n* /'kʌt/  
 depart *v* /dɪ'pɑ:t/  
 development *n* /dɪ'veləpmənt/  
 difficulty *n* /'dɪfɪkəlti/  
 dysphagia *n* /dɪs'feɪdʒɪə/  
 energetic *adj* /,enə'dʒetɪk/  
 essay *n* /'eseɪ/  
 exhibition *n* /,eksɪ'bɪʃn/  
 expert *n* /'ekspɜ:t/  
 ex-president *n* /,eks 'prezɪdənt/  
 familiar *adj* /fə'mɪliə(r)/  
 farewell *n* /feə'wel/  
 farm *n* /fɑ:m/  
 fax *n* /fæks/  
 features *n pl* /'fi:tʃəz/  
 fields (academic) *n pl* /fi:ldz/  
 final *adj* /'faɪnəl/  
 fluently *adv* /'flu:əntli/  
 former *adj* /'fɔ:mə(r)/  
 gases *n pl* /'gæsɪz/  
 graduate *v* /'grædʒueɪt/  
 great *adj* /greɪt/  
 gust *n* /gʌst/  
 head *n* /hed/  
 hedge *n* /hedʒ/  
 hold (a conference) *v* /həʊld/  
 I'd love to... /,aɪd 'lʌv tə/  
 I have great pleasure in... /,aɪ ,hæv 'greɪt ,pleʒər ɪn/  
 I look forward to... /,aɪ 'lʊk ,fɔ:wəd tə/  
 improve *v* /ɪm'pru:v/  
 in charge /,ɪn 'tʃɑ:ʒ/  
 in favour of *prep* /,ɪn 'feɪvər əv/  
 infected *adj* /ɪn'fektɪd/  
 inflammatory *adj* /ɪn'flæmətri/  
 inform *v* /ɪn'fɔ:m/  
 informally *adv* /ɪn'fɔ:məli/  
 inherent *adj* /ɪn'herənt/  
 in support of /,ɪn sə'pɔ:t əv/  
 intermediate *adj* /,ɪntə'mi:diət/  
 international *adj* /,ɪntənə'sjənəl/  
 invitation *n* /,ɪnvɪ'teɪʃn/  
 itinerary *n* /aɪ'tɪnərəri/  
 It would be greatly appreciated if... /,ɪt wəd bi 'gretli ə ,pri:ʃieɪtɪd ɪf/  
 joy *n* /dʒɔɪ/

latter *adj* /'lætə(r)/  
 layout *n* /'leɪaʊt/  
 lesions *n pl* /'li:ʒnz/  
 liquid *n* /'lɪkwɪd/  
 literary *adj* /'lɪtərəri/  
 loveliness *n* /'lʌvlnəs/  
 malaria *n* /mə'leəriə/  
 medical *adj* /'medɪkl/  
 microphone *n* /'maɪkrəfəʊn/  
 ministry *n* /'mɪnɪstri/  
 misprint *n* /'mɪsprɪnt/  
 mosque *n* /mɒsk/  
 multimedia *n* /,mʌltɪ'mi:diə/  
 national *adj* /'næʃnəl/  
 note *n* /nəʊt/  
 noted *adj* /'nəʊtɪd/  
 nothingness *n* /'nʌθɪŋnəs/  
 novel *n* /'nɒvl/  
 novelist *n* /'nɒvəlɪst/  
 nuclear power stations *n pl* /,nju:kliə 'paʊə ,steɪʃnz/  
 obstruction *n* /əb'strʌkʃn/  
 obvious *adj* /'ɒbvɪəs/  
 open air *n* /,əʊpən 'eə(r)/  
 overall *adj* /,əʊvər'ɔ:l/  
 paper (at a conference) *n* /'peɪpə(r)/  
 particularly *adv* /pə'tɪkjələli/  
 patient *n* /'peɪʃnt/  
 Please find attached ... /'pli:z faɪnd ə,tætʃt/  
 Please find enclosed... /'pli:z faɪnd ɪn,kləʊzd/  
 plenary *n* /'pli:nəri/  
 poem *n* /'pəʊɪm/  
 poet *n* /'pəʊɪt/  
 point *v* /pɔɪnt/  
 postgraduate *n* /,pəʊst 'grædʒuət/  
 prefix *n* /'pri:fɪks/  
 printing *n* /'prɪntɪŋ/  
 prof. (professor) *n* /prɒf/  
 programme of events *n* /,prəʊgræm əv ɪ'vents/  
 prominent *adj* /'prɒmɪnənt/  
 purpose *n* /'pɜ:pəs/  
 qualifications *n pl* /,kwɒlɪfɪ'keɪʃnz/  
 reasonable *adj* /'ri:znəbl/  
 reduce *v* /rɪ'dju:s/  
 reference *n* /'refrəns/  
 remind *v* /rɪ'maɪnd/  
 reminder *n* /rɪ'maɪndə(r)/  
 renewable *adj* /rɪ'nju:əbl/  
 review *v* /rɪ'vju:  
 screen *n* /skri:n/  
 senior lecturer *n* /,si:nɪə 'lektʃərə(r)/  
 session *n* /'seʃn/  
 set off *v* /,set 'ɒf/  
 shelter *n* /'ʃeltə(r)/  
 sightseeing *n* /'saɪtsi:ɪŋ/  
 site *n* /saɪt/  
 skills *n pl* /skɪlz/  
 social life *n* /'səʊʃl ,laɪf/  
 sources *n pl* /'sɔ:sɪz/  
 speaker *n* /'spi:kə(r)/

specify *v* /'spesɪfaɪ/  
 submarine *n* /,sʌbmə'ri:n/  
 suffixes *n pl* /'sʌfɪksɪz/  
 swallow *v* /'swɒləʊ/  
 symptom *n* /'sɪmptəm/  
 temporary *adj* /'tempərəri/  
 term (= word) *n* /tɜ:m/  
 textbook *n* /'tekstbʊk/  
 tone *n* /təʊn/  
 topography *n* /tə'pɒgrəfi/  
 tour *n* /tʊə(r)/  
 transform *v* /træns'fɔ:m/  
 translation *n* /træns'leɪʃn/  
 Turkey *n* /'tɜ:ki/  
 tutor *n* /'tju:tə(r)/  
 typical *adj* /'tɪpɪkl/  
 typing *n* /taɪpɪŋ/  
 use *n* /ju:s/  
 venue *n* /'venju:  
 wedding *n* /'wedɪŋ/  
 wish *v* /wɪʃ/  
 Yours sincerely /,jɔ:z sɪn'sɪəli/

## Unit 6

actually *adv* /'æktʃʊəli/  
 ancestors *n pl* /'ænsestəz/  
 ancient *adj* /'eɪnʃnt/  
 applied science *n* /ə ,plɑɪd 'saɪəns/  
 apply *v* /ə'plɑɪ/  
 arthritis *n* /ɑ:'θraɪtəs/  
 asthma *n* /'æsmə/  
 author *n* /'ɔ:θə(r)/  
 average *adj* /'ævərɪdʒ/  
 bestseller *n* /,best'selə(r)/  
 billion *n* /'bɪljən/  
 bones *n pl* /bəʊnz/  
 breakthrough *n* /'breɪkθru:  
 bullet points *n pl* /'bʊlɪt ,pɔɪnts/  
 busy *adj* /'bɪzi/  
 bytes *n pl* /baɪts/  
 Canada *n* /'kænədə/  
 Canadian *adj* /kə'neɪdiən/  
 cause *n* /kɔ:z/  
 Celsius *n* /'selsiəs/  
 centigrade *n* /'sentɪgreɪd/  
 central *adj* /'sentrəl/  
 childhood *n* /'tʃaɪldhʊd/  
 chips *n pl* /tʃɪps/  
 claim *v* /kleɪm/  
 claims *n pl* /kleɪmz/  
 colleagues *n pl* /'kɒli:gz/  
 concentrate *v* /'kɒnsəntreɪt/  
 conclude *v* /kən'klu:d/  
 connection *n* /kə'nekʃn/  
 consist *v* /kən'sɪst/  
 contribute *v* /kən'trɪbjʊ:t,  
 'kɒntrɪbjʊ:t/  
 contributor *n* /kən'trɪbjətə(r)/  
 cures *n pl* /kjʊəz/  
 daily *adj* /'deɪli/  
 damage *n* /'dæmɪdʒ/  
 danger *n* /'deɪndʒə(r)/  
 data *n* /'deɪtə/  
 decades *n pl* /'dekeɪdʒ/  
 decimals *n pl* /'desɪmlz/

decline *n* /dɪ'klaɪn/  
 decrease *v* /dɪ'kri:s/  
 demand *n* /dɪ'mɑ:nd/  
 depend *v* /dɪ'pend/  
 develop *v* /dɪ'veləp/  
 diameter *n* /daɪ'æmɪtə(r)/  
 diet *n* /'daɪət/  
 diseases *n pl* /dɪ'zi:zɪz/  
 distrust *n* /dɪs'trʌst/  
 drop *n* /drɒp/  
 effect *n* /ɪ'fekt/  
 elements *n pl* /'eləmənts/  
 ensure *v* /ɪn'ʃʊə(r)/  
 equals *v* /'i:kwəlz/  
 evidence *n* /'eɪvɪdəns/  
 exist *v* /ɪg'zɪst/  
 face masks *n pl* /'feɪs ,mɑ:skz/  
 fact *n* /fækt/  
 factories *n pl* /'fæktərɪz/  
 fight *v, n* /faɪt/  
 final *n* /'faɪnəl/  
 forest fires *n pl* /'fɒrɪst ,faɪəz/  
 fossil fuels *n pl* /'fɒsl ,fju:əlz/  
 generations *n pl* /,dʒenə'reɪʃnz/  
 gigabyte *n* /'gɪgəbaɪt/  
 habits *n pl* /'hæbɪts/  
 half *n* /hɑ:f/  
 heart attacks *n pl* /'hɑ:t ə ,tæks/  
 height *n* /haɪt/  
 ill health *n* /,ɪl 'helθ/  
 increase *n* /ɪn'kri:s/  
 increased *adj* /ɪn'kri:st/  
 increasing *adj* /ɪn'kri:sɪŋ/  
 increasingly *adv* /ɪn'kri:sɪŋli/  
 industrial *adj* /ɪn'dʌstriəl/  
 in fact *adv* /,ɪn 'fækt/  
 interpret *v* /ɪn'tɜ:prɪt/  
 in turn *adv* /,ɪn 'tɜ:n/  
 key *adj* /ki:  
 latest *adj* /'leɪtɪst/  
 lead to *v* /'li:d ,tu:, tə/  
 less than /'les ðən/  
 level *n* /'levl/  
 likely *adj* /'laɪkli/  
 link *n* /lɪŋk/  
 long-term *adj* /,lɒŋ 'tɜ:m/  
 lung cancer *n* /'lʌŋ ,kænsə(r)/  
 major *adj* /'meɪdʒə(r)/  
 make notes *v* /,meɪk 'nəʊts/  
 man-made *adj* /,mæn 'meɪd/  
 mathematical symbol *n* /,mæθə ,mæti:kəl 'sɪmbl/  
 metres *n pl* /'mi:təz/  
 microns *n pl* /'maɪkrɒnz/  
 mining *n* /'maɪnɪŋ/  
 minus *prep* /'maɪnəs/  
 motor vehicle *n* /'məʊtə ,vi:əkl/  
 natural *adj* /'nætʃrəl/  
 nought *n* /nɔ:t/  
 oil *n* /ɔɪl/  
 ordinal numbers *n pl* /'ɔ:dɪnəl ,nʌmbəz/  
 original *adj* /ə'rɪdʒənəl/  
 origins *n pl* /'ɒrɪdʒɪnz/  
 paraphrase *v* /'pærəfreɪz/  
 particles *n pl* /'pɑ:tɪklz/

percentages *n pl* /pə'sentədʒɪz/  
 pi *n* /paɪ/  
 plagiarize *v* /'pleɪdʒəraɪz/  
 pollutants *n pl* /pə'lu:tənts/  
 polluted *adj* /pə'lu:tɪd/  
 pollution *n* /pə'lu:ʃn/  
 poorly *adv* /'pɔ:li, 'pʊəli/  
 possibility *n* /,pɒsə'bɪləti/  
 power stations *n pl* /'paʊə  
 ,steɪʃnz/  
 previously *adv* /'pri:vɪəslɪ/  
 primary school *n* /'praɪməri  
 ,sku:l/  
 probably *adv* /'prɒbəbli/  
 prominent *adj* /'prɒmɪnənt/  
 properly *adv* /'prɒpəli/  
 protect *v* /prə'tekt/  
 prove *v* /pru:v/  
 pupils *n pl* /'pju:plz/  
 pure science *n* /,pjuə 'saɪəns/  
 quarter *n* /'kwɔ:tə(r)/  
 quote *v* /kwəʊt/  
 ratio *n* /'reɪʃiəʊ/  
 reaction *n* /ri'ækʃn/  
 reassuring *adj* /,ri:ə'ʃʊərɪŋ/  
 record *v* /rɪ'kɔ:d/  
 reduce *v* /rɪ'dju:s/  
 relevant *adj* /'reləvənt/  
 report *v* /rɪ'pɔ:t/  
 researchers *n pl* /rɪ'sɜ:ʃəz/  
 residents *n pl* /'rezɪdənts/  
 result in *v* /rɪ'zʌlt ɪn/  
 results *n pl* /rɪ'zʌltz/  
 reveal *v* /rɪ'vi:l/  
 revision *n* /rɪ'vɪʒn/  
 rewrite *v* /,ri:'raɪt/  
 rise *n* /raɪz/  
 risk *n* /rɪsk/  
 sake *n* /seɪk/  
 scandal *n* /'skændl/  
 scientists *n pl* /'saɪəntɪsts/  
 search *v* /sɜ:ʃ/  
 shock *v* /ʃɒk/  
 shockingly *adv* /'ʃɒkɪŋli/  
 shortage *n* /'ʃɔ:tɪdʒ/  
 similar *adj* /'sɪmələ(r)/  
 single *adj* /'sɪŋgl/  
 sit (an exam) *v* /,sɪt (ən ɪg'zæm)/  
 skeletons *n pl* /'skelɪtnz/  
 society *n* /sə'saɪəti/  
 solution *n* /sə'lu:ʃn/  
 source *n* /sɔ:s/  
 speculate *v* /'spekjəleɪt/  
 speculation *n* /,spekjə'leɪʃn/  
 strictly *adv* /'strɪktli/  
 suburb *n* /'sʌbɜ:b/  
 suffer *v* /'sʌfə(r)/  
 summarize *v* /'sʌməraɪz/  
 summary *n* /'sʌməri/  
 take time *v* /,teɪk 'taɪm/  
 TB *n* /,ti: 'bi:  
 temperature *n* /'temprəʃə(r)/  
 third *n* /θɜ:d/  
 three quarters *n pl* /,θri:  
 'kwɔ:təz/  
 tiny *adj* /'taɪni/  
 toe *n* /təʊ/  
 tuberculosis *n* /tju:,bɜ:kjʊləʊsɪs/

uncertainty *n* /,ʌn'sɜ:tntɪ/  
 undervalue *v* /,ʌndə'vælju:  
 unsurprisingly *adv*  
 /,ʌnsə'praɪzɪŋli/  
 value *n* /'vælju:  
 vehicle *n* /'vi:əkl/  
 vitamin C *n* /vɪtə'mɪn'si:  
 volcanoes *n pl* /vɒl'keɪnəʊz/  
 zero *n* /'ziərəʊ/

## Unit 7

abstract *n* /'æbstrækt/  
 accompany *v* /ə'kʌmpəni/  
 actor *n* /'æktə(r)/  
 additional *adj* /ə'dɪʃənəl/  
 admire *v* /əd'maɪə(r)/  
 age (= period of time) *n* /eɪdʒ/  
 Angola *n* /æŋ'ɡɔ:lə/  
 annual *adj* /'ænjʊəl/  
 apartheid *n* /ə'pɑ:tɑɪt/  
 approximately *adv*  
 /ə'prɒksɪmətli/  
 Arabic *adj* /'ærəbɪk/  
 Arabism *n* /'ærəbɪzəm/  
 archaeologist *n* /,ɑ:kɪ'ɒlədʒɪst/  
 Argentina *n* /,ɑ:ʒən'ti:nə/  
 art gallery *n* /'ɑ:t ,gæləri/  
 attend *v* /ə'tend/  
 author *n* /'ɔ:θə(r)/  
 average *adj* /'ævərɪdʒ/  
 best-selling *adj* /'best ,selɪŋ/  
 boiling point *n* /'bɔɪlɪŋ pɔɪnt/  
 bridge *n* /brɪdʒ/  
 butterfly *n* /'bʌtəflaɪ/  
 career *n* /kə'riə(r)/  
 categories *n pl* /'kætəgəriz/  
 century *n* /'sentʃəri/  
 chant *v* /tʃɑ:nt/  
 chart *n* /tʃɑ:t/  
 chemistry *n* /'kemɪstri/  
 chronological *adj* /,krɒnə'lɒdʒɪkl/  
 classic *adj, n* /'klæsɪk/  
 club *n* /klʌb/  
 collected *adj* /kə'lektɪd/  
 comedy *n* /'kɒmədi/  
 commas *n pl* /'kɒməz/  
 complete *v* /kəm'pli:t/  
 compose *v* /kəm'pəʊz/  
 composer *n* /kəm'pəʊzə(r)/  
 conditions *n pl* /kən'dɪʃnz/  
 conduct *v* /kən'dʌkt/  
 conductor *n* /kən'dʌktə(r)/  
 connection *n* /kə'nekʃn/  
 consider *v* /kən'sɪdə(r)/  
 continue *v* /kən'tɪnju:  
 county *n* /'kaʊnti/  
 couple *n* /'kʌpl/  
 court *n* /kɔ:t/  
 creator *n* /kri'eɪtə(r)/  
 Dame Commander of the Order  
 of the British Empire *n* /,deɪm  
 kə,mɑ:ndər əv ði ,ɔ:dər əv ðə  
 ,brɪtɪʃ 'empeərə(r)/  
 Dame of the British Empire *n*  
 /,deɪm əv ðə ,brɪtɪʃ  
 'empeərə(r)/

decade *n* /'dekeɪd/  
 degree *n* /dɪ'ɡri:  
 democratically *adv*  
 /,demə'krætɪkli/  
 design *v* /dɪ'zaɪn/  
 detection *n* /dɪ'tekʃn/  
 detective *n* /dɪ'tektɪv/  
 direct *adj, v* /də'rekt, dɪ-, daɪ-/  
 director *n* /də'rektə(r), dɪ-, daɪ-/  
 disadvantaged *adj*  
 /,dɪsəd'vɔ:ntɪdʒd/  
 discovery *n* /dɪ'skʌvəri/  
 distinctive *adj* /dɪ'stɪŋktɪv/  
 dramatist *n* /'dræmətɪst/  
 edition *n* /ɪ'dɪʃn/  
 educate *v* /'edʒʊkeɪt/  
 efficient *adj* /ɪ'fɪʃnt/  
 Egypt *n* /'i:ʒɪpt/  
 Egyptian *adj* /ɪ'ʒɪpɪjən/  
 elect *v* /ɪ'lekt/  
 empty *v* /'empti/  
 encyclopaedia *n* /ɪn,sarklə'pi:diə/  
 ending *n* /'endɪŋ/  
 especially *adv* /ɪ'speʃli/  
 export *n* /'eksɔ:t/  
 extracts *n pl* /'ekstræktz/  
 fight against *v* /'faɪt ə,ɡenst/  
 final *n* /'faɪn/  
 folio *n* /'fəʊliəʊ/  
 footballers *n pl* /'fʊtbɔ:ləz/  
 foreign *adj* /'fɔ:rən/  
 funeral *n* /'fju:nərəl/  
 goals *n pl* /gəʊlz/  
 grammar school *n* /'græmə  
 ,sku:l/  
 hero *n* /'hɪərəʊ/  
 ill-documented *adj* /'ɪl  
 ,dɒkjəmentɪd/  
 Imam *n* /ɪ'mɑ:m/  
 importance *n* /ɪm'pɔ:təns/  
 imprison *v* /ɪm'prɪzn/  
 incorrect *adj* /,ɪnkə'rekt/  
 initially *adv* /ɪ'nɪʃli/  
 international *adj* /,ɪntə'næʃnəl/  
 Internet *n* /'ɪntənət/  
 Iraq *n* /ɪ'ræk/  
 Islam *n* /ɪ'zɪlə:m/  
 Islamic *adj* /ɪz'læmɪk/  
 jazz *n* /dʒæz/  
 keywords *n pl* /'ki:wɜ:dz/  
 Khedive *n* /kə'di:v/  
 landscape *n* /'lændskeɪp/  
 law *n* /lɔ:  
 law school *n* /'lɔ: ,sku:l/  
 lead actor *n* /,li:d 'æktə(r)/  
 life-cycle *n* /'laɪf ,sarkl/  
 life-story *n* /'laɪf ,stɔ:ri/  
 literary *adj* /'lɪtərəri/  
 literature *n* /'lɪtrətʃə(r)/  
 luxurious *adj* /'lʌɡʒʊəriəs/  
 maximum *adv* /'mæksɪməm/  
 mercury *n* /'mɜ:kjəri/  
 middle class *adj* /'mɪdl 'kla:s/  
 monthly *adj* /'mʌnθli/  
 mourners *n pl* /'mɔ:nəz/  
 movement *n* /'mu:vmənt/

movie *n* /'mu:vi/  
 mystery *n* /'mɪstri/  
 mysterious *adj* /mɪ'stəriəs/  
 name *v* /neɪm/  
 Nobel Prize *n* /,nəʊbel 'praɪz/  
 non-defining relative clause *n* /  
 ,nɒn dɪ,fainɪŋ ,relətɪv 'klɔ:z/  
 noted *adj* /'nəʊtɪd/  
 novel *n* /'nɒvl/  
 novelist *n* /'nɒvəlɪst/  
 obtain *v* /əb'teɪn/  
 omit *v* /ə'mɪt/  
 online *adj* /'ɒnlaɪn/  
 of all time *adv* /əv ,ɔ:l 'taɪm/  
 opera *n* /'ɒpərə/  
 orchestra *n* /'ɔ:kɪstrə/  
 palace *n* /'pæləs/  
 peace *n* /pi:s/  
 percentage *n* /pə'sentɪdʒ/  
 philosopher *n* /fɪ'lɒsəfə(r)/  
 playwright *n* /'pleɪraɪt/  
 poetic *adj* /pəʊ'etɪk/  
 Poet Laureate *n* /,pəʊt 'lɔ:riət/  
 poetry *n* /'pəʊətri/  
 politician *n* /,pɒlə'tɪʃn/  
 portrait *n* /'pɔ:treɪt/  
 president *n* /'prezɪdənt/  
 prison *n* /'prɪzn/  
 produce *v* /prə'dju:s/  
 prolific *adj* /prə'flɪk/  
 prominent *adj* /'prɒmɪnənt/  
 prophet *n* /'prɒfɪt/  
 prose *n* /prəʊz/  
 publicly *adv* /'pʌblɪkli/  
 publish *v* /'pʌblɪʃ/  
 radium *n* /'reɪdiəm/  
 rainfall *n* /'reɪnfɔ:l/  
 raise *v* /reɪz/  
 related to *adj* /rɪ'leɪtɪd ,tu:, tə/  
 relative clause *n* /,relətɪv 'klɔ:z/  
 relative pronouns *n pl* /,relətɪv  
 'prəʊnəʊnz/  
 release *v* /rɪ'li:s/  
 relevant *adj* /'reləvənt/  
 reliable *adj* /rɪ'laɪəbl/  
 remain *v* /rɪ'meɪn/  
 reputation *n* /,repju'teɪʃn/  
 retired *adj* /rɪ'taɪəd/  
 role *n* /rəʊl/  
 royal *adj* /'rɔ:əl/  
 rush *v* /rʌʃ/  
 sadly *adv* /'sædli/  
 score *v* /skɔ:(r)/  
 sculpture *n* /'skʌlptʃə(r)/  
 search *n* /sɜ:ʃ/  
 search engine *n* /'sɜ:ʃ ,endʒɪn/  
 selected *adj* /sɪ'lektɪd/  
 separation *n* /,sepə'reɪʃn/  
 share *v* /ʃeə(r)/  
 short story *n* /,ʃɔ:t 'stɔ:ri/  
 sites *n pl* /saɪts/  
 songwriter *n* /'sɒŋraɪtə(r)/  
 source *n* /sɔ:s/  
 South Africa *n* /,saʊθ 'æfrɪkə/  
 special effects *n pl* /,speʃl rɪ'fekts/  
 stages *n pl* /'steɪdʒɪz/  
 star *n, v* /stɑ:(r)/

statesman *n* /'steɪtsmən/  
 subject *n* /'sʌbdʒɪkt/  
 surprising *adj* /sə'praɪzɪŋ/  
 Switzerland *n* /'swɪtsələnd/  
 Syria *n* /'sɪrɪə/  
 teens *n pl* /ti:nz/  
 topic *n* /'tɒpɪk/  
 tournament *n* /'tɔ:nəmənt/  
 tragedy *n* /'trædʒədi/  
 tragicomedy *n* /,trædʒɪ'kɒmədi/  
 tribute *n* /'trɪbjʊ:t/  
 trip *n* /trɪp/  
 unhappy *adj* /,ʌn'hæpi/  
 Unicef *n* /'ju:nɪsef/  
 unique *adj* /ju:'ni:k/  
 unknown *adj* /,ʌn'nəʊn/  
 volumes *n pl* /'vɒljʊ:mz/  
 website *n* /'websaɪt/  
 well-connected *adj* /,wel  
 kə'nektɪd/  
 widely-read *adj* /,waɪdli'red/  
 works *n pl* /wɜ:kz/  
 World Cup *n* /,wɜ:ld'kʌp/  
 Zimbabwe *n* /zɪm'bɑ:bwi/

## Unit 8

abbreviations *n pl* /ə,bri:vi'eɪfɪnz/  
 access *v* /'ækses/  
 accurate *adj* /'ækjərət/  
 acknowledge *v* /ək'nɒlɪdʒ/  
 acknowledgements *n pl*  
 /ək'nɒlɪdʒmənts/  
 acronyms *n pl* /'ækrənɪmz/  
 advertising *n* /'ædvətaɪzɪŋ/  
 aerial *n* /'eəriəl/  
 afford *v* /ə'fɔ:d/  
 alphabetical *adj* /,ælfə'betɪkl/  
 anti-spam *adj* /,ænti'spæm/  
 anti-virus *adj* /,ænti'vaɪrəs/  
 as *conj* /əz/  
 as a result *adv* /,əz ə rɪ'zʌlt/  
 attack *n, v* /ə'tæk/  
 attractive *adj* /ə'træktɪv/  
 backup *v* /'bækʌp, ,bæk'ʌp/  
 basic *adj* /'beɪsɪk/  
 batteries *n pl* /'bætərɪz/  
 BBC *n* /,bi:bi:'si:/  
 be made up of *v* /,bi'meɪd ʌp  
 əv/  
 bibliography *n* /,bɪblɪ'ɒgrəfi/  
 biochemistry *n* /,baɪəʊ'kemɪstri/  
 brackets *n pl* /'bræktɪz/  
 brain *n* /breɪn/  
 break into *v* /'breɪk ,ɪntə/  
 breakthrough *n* /'breɪkθru:/  
 c. / ca. /'sɜ:kə/  
 CD burner *n* /,si:'di:,bɜ:nə(r)/  
 CD-ROM *n* /,si:di:'rɒm/  
 central processing unit *n* /,sentrəl  
 'prəʊsesɪŋ ,ju:nɪt/  
 certainly *adv* /'sɜ:tɪnli/  
 cf. /'si:ef/  
 chips (computer chips) *n pl*  
 /'tʃɪps/  
 circa *prep* /'sɜ:kə/

codes *n pl* /kəʊdɪz/  
 coherent *adj* /kəʊ'hɪərənt/  
 cohesive *adj* /kəʊ'hi:sɪv/  
 commercial *adj* /kə'mɜ:ʃl/  
 companies *n pl* /'kʌmpənɪz/  
 connect *v* /kə'nekt/  
 consequently *adv* /'kɒnsɪkwəntli/  
 CPU *n* /,si:pi:'ju:/  
 crash *v* /kræʃ/  
 credit *v* /'kredɪt/  
 credit card *n* /'kredɪt ,kɑ:d/  
 crime *n* /'kraɪm/  
 dentist *n* /'dentɪst/  
 dentistry *n* /'dentɪstri/  
 department *n* /dɪ'pɑ:tmənt/  
 design *n* /dɪ'zaɪn/  
 designers *n pl* /dɪ'zaɪnəz/  
 destroy *v* /dɪ'strɔɪ/  
 details *n pl* /dɪ'teɪlɪz/  
 detect *v* /dɪ'tekt/  
 developing world *n* /dɪ,veləpɪŋ  
 'wɜ:ld/  
 device *n* /dɪ'vaɪs/  
 devise *v* /dɪ'vaɪz/  
 digital *adj* /'dɪdʒɪtl/  
 download *v* /,daʊn'ləʊd/  
 drills *n pl* /drɪlz/  
 DVD burner *n* /,di:vi:'di:  
 ,bɜ:nə(r)/  
 effectively *adv* /ɪ'fektɪvli/  
 e.g. /'i: dʒi:/  
 electricity *n* /ɪ,lek'trɪsɪti/  
 employees *n pl* /,ɪm'plɔɪ'ɪ:z/  
 enormously *adv* /ɪ'nɔ:məsli/  
 equal *v* /'i:kwəl/  
 etc. /et'setərə/  
 for instance /fər'ɪnstəns/  
 function *n* /'fʌŋkʃn/  
 gangs *n pl* /gæŋz/  
 GB (gigabyte) *n* /gɪg, 'gɪgəbaɪt/  
 generation *n* /,dʒenə'reɪʃn/  
 graduates *n pl* /'grædʒuəts/  
 handle *n* /'hændl/  
 hardware *n* /'hɑ:dweə(r)/  
 hire *v* /haɪə(r)/  
 house *v* /haʊz/  
 ibid. /'ɪbɪd/  
 i.e. /'aɪi:/  
 imply *v* /ɪm'plaɪ/  
 incoming call *n* /,ɪnkʌmɪŋ 'kɔ:l/  
 individual *adj* /ɪndɪ'vɪdʒʊəl/  
 information technology *n*  
 /,ɪnfə,meɪʃn tek'nɒlədʒi/  
 in full *adv* /,ɪn'fʊl/  
 initial *n* /ɪ'nɪʃl/  
 in other words /,ɪn'ʌðə ,wɜ:dz/  
 install *v* /ɪn'stɔ:l/  
 Internet *n* /'ɪntənət/  
 in theory /,ɪn'θɪəri/  
 inventions *n pl* /ɪn'venʃnz/  
 inverted commas *n pl* /ɪn,vɜ:tɪd  
 'kɒməz/  
 iPod *n* /'aɪpɒd/  
 IT *n* /,aɪ'ti:/  
 junk mail *n* /'dʒʌŋk ,meɪl/  
 keyboard *n* /'ki:bɔ:d/

laptop (computer) *n* /'læptɒp/  
 laser *n* /'leɪzə(r)/  
 linking words *n pl* /'lɪŋkɪŋ ,wɜ:dz/  
 load *v* /ləʊd/  
 machinery *n* /mə'ʃi:nəri/  
 mail *n* /meɪl/  
 mailboxes *n pl* /'meɪlbɒksɪz/  
 manufacturers *n pl* /  
 ,mænʃə'fæktʃərəz/  
 memory *n* /'meməri/  
 memory key *n* /'meməri ,ki:/  
 monitor *n* /'mɒnɪtə(r)/  
 mouse *n* /maʊs/  
 N.B. /,en'bi:/  
 networks *n pl* /'netwɜ:ks/  
 online *adv* /,ɒn'laɪn/  
 OPEC *n* /'əʊpek/  
 opportunity *n* /,ɒpə'tju:nəti/  
 options *n pl* /'ɒpʃnz/  
 ordinary *adj* /'ɔ:dɪnri/  
 out of control *adj* /,aʊt əv  
 kən'trəʊl/  
 p. / pp. /pi:, 'pi:pi:/  
 painless *adj* /'peɪnləs/  
 password *n* /'pɑ:swɜ:d/  
 periodic table *n* /'pɪərɪɔdɪk ,teɪbl/  
 personalize *v* /'pɜ:sənəlaɪz/  
 personal stereo *n* /,pɜ:sənəl  
 'steriəʊ/  
 pharmaceutical *adj*  
 /,fɑ:mə'sju:tɪkl/  
 phishing *n* /'fɪʃɪŋ/  
 plug in *v* /,plʌg'ɪn/  
 podcasts *n pl* /'pɒdkɑ:sts/  
 power *v* /'paʊə(r)/  
 powerful *adj* /'paʊəfl/  
 printer *n* /'prɪntə(r)/  
 processing *n* /'prəʊsesɪŋ/  
 program *n* /'prəʊgræm/  
 programming *n* /'prəʊgræmɪŋ/  
 publication *n* /,pʌblɪ'keɪʃn/  
 publisher *n* /'pʌblɪʃə(r)/  
 RAM *n* /ræm/  
 receiver *n* /rɪ'si:və(r)/  
 recommend *v* /,rekə'mend/  
 reference *n* /'refrəns/  
 research *n* /rɪ'sɜ:ʃ, 'ri:sɜ:ʃ/  
 R/W /,ri:'raɪtə(r), ,ri:'raɪtəbl/  
 repetition *n* /,rɪpə'tɪʃn/  
 rephrase *v* /,ri:'freɪz/  
 scanner *n* /'skænə(r)/  
 screen *n* /skri:n/  
 since *conj* /sɪns/  
 sockets *n pl* /'sɒkɪts/  
 software *n* /'sɒftweə(r)/  
 solar energy *n* /,səʊləɪ 'enədʒi/  
 sophisticated *adj* /sə'fɪstɪkeɪtɪd/  
 spam *n* /spæm/  
 speakers *n pl* /'spi:kəz/  
 spyware *n* /'spaɪweə(r)/  
 stand-alone *adj* /'stænd ə,ləʊn/  
 stand for *v* /'stænd ,fɔ:(r), fə(r)/  
 storage *n* /'stɔ:ɪdʒ/  
 strength *n* /streŋθ/  
 supply *n* /sə'plaɪ/  
 surname *n* /'sɜ:neɪm/  
 switch *v* /swɪtʃ/

system *n* /'sɪstəm/  
 technical *adj* /'teknɪkl/  
 text message *n* /'tekst ,mesɪdʒ/  
 that is /'ðæt ɪz/  
 that is to say /'ðæt ɪz tə ,seɪ/  
 threat *n* /θret/  
 training *n* /'treɪnɪŋ/  
 treatment *n* /'tri:tmənt/  
 trick *v, n* /trɪk/  
 Trojan Horse *n* /,trəʊdʒən 'hɔ:s/  
 UK *n* /,ju:'keɪ/  
 unit *n* /'ju:nɪt/  
 uncertain *adj* /,ʌn'sɜ:tn/  
 unwanted *adj* /,ʌn'wʌntɪd/  
 up-to-date *adj* /,ʌp tə 'deɪt/  
 USB port *n* /,ju:es'bi:,pɔ:t/  
 user ID *n* /,ju:zə ,aɪ'di:/  
 VDU *n* /,vi:di:'ju:/  
 via *prep* /'vaɪə/  
 vibrate *v* /vaɪ'breɪt/  
 virus *n* /'vaɪrəs/  
 webcam *n* /'webkæm/  
 webpage *n* /'webpeɪdʒ/  
 WiFi *n* /'waɪfaɪ/  
 wind up *adj* /'waɪnd ʌp/  
 wireless *n* /'waɪələs/  
 www /,dʌblju:, ,dʌblju:, 'dʌbl  
 ju:/

## Unit 9

add *v* /æd/  
 aerial *n* /'eəriəl/  
 after that *adv* /,ɑ:ftə 'ðæt/  
 alkali *n* /'ælkəlaɪ/  
 amplifier *n* /'æmplɪfaɪə(r)/  
 answerphone *n* /'ɑ:nsəfəʊn/  
 appropriately *adv* /ə'prəʊpɪətli/  
 atmosphere *n* /'ætməsfɪə(r)/  
 benefits *n pl* /'benəfɪts/  
 biochemist *n* /,baɪəʊ'kemɪst/  
 blue-eyed *adj* /,blu:'aɪd/  
 carrier waves *n pl* /'kæriə ,weɪvz/  
 category *n* /'kætəgəri/  
 communication *n*  
 /kə,mju:nɪ'keɪʃn/  
 compound noun *n* /,kɒmpaʊnd  
 'naʊn/  
 compress *v* /kəm'pres/  
 computer literate *adj* /kəm,pju:tə  
 'lɪtərət/  
 cordless phone *n* /,kɔ:dləs 'fəʊn/  
 data-processing *n* /,deɪtə  
 'prəʊsesɪŋ/  
 deoxyribose nucleic acid *n*  
 /dɪ,ɒksi,raɪbəʊz ,nju:kli:ɪk  
 'æsɪd/  
 detailed *adj* /'di:teɪld/  
 diesel engine *n* /'di:zl ,endʒɪn/  
 dinosaurs *n pl* /'daɪnəsɔ:z/  
 discovery *n* /dɪ'skʌvəri/  
 distil *v* /dɪ'stɪl/  
 dodos *n pl* /'dɔ:dəʊz/  
 Dominica *n* /domɪ'nɪ:kə/  
 dove *n* /dɒv/  
 dragon *n* /'dræɡən/

drum *n* /drʌm/  
 dry *v* /draɪ/  
 dynamite *n* /ˈdaɪnəmaɪt/  
 easy-going *adj* /,i:zi ˈgəʊɪŋ/  
 eclipses *n pl* /ɪˈkɪpsɪz/  
 ecology *n* /ɪˈkɒlədʒi/  
 Ecuador *n* /ˈekwədɔ:(r)/  
 electronic *adj* /ɪˌlekˈtrɒnɪk/  
 engine *n* /ˈendʒɪn/  
 entertainment *n* /,entəˈteɪnmənt/  
 expand *v* /ɪkˈspænd/  
 experiments *n pl* /ɪkˈsperɪmənts/  
 extinct *adj* /ɪkˈstɪŋkt/  
 fax machine *n* /ˈfæks məˌʃi:n/  
 firstly *adv* /ˈfɜ:stli/  
 flight *n* /flaɪt/  
 focused *adj* /ˈfəʊkəst/  
 freely *adv* /ˈfri:li/  
 furnace *n* /ˈfɜ:ns/  
 hard-working *adj* /,hɑ:d  
 ˈwɜ:kɪŋ/  
 headphones *n pl* /ˈhedfəʊnz/  
 highly-qualified *adj* /,haɪli  
 ˈkwɒlɪfaɪd/  
 high-speed *adj* /ˈhaɪ ˌspi:d/  
 index *n* /ˈɪndeks/  
 infrastructure *n*  
 /ˈɪnfraˌstrʌktʃə(r)/  
 internal combustion engine *n* /  
 ɪnˌtɜ:nl kəmˈbʌstʃən ˌendʒɪn/  
 interviewers *n pl* /ˈɪntəvju:əz/  
 invent *v* /ɪnˈvent/  
 invention *n* /ɪnˈvenʃn/  
 invisible *adj* /ɪnˈvɪzəbl/  
 lastly *adv* /ˈlɑ:stli/  
 light bulbs *n pl* /ˈlaɪt ˌbʌlbz/  
 limestone *n* /ˈlaɪmstəʊn/  
 long-term *adj* /,lɒŋ ˈtɜ:m/  
 means *n* /mi:nz/  
 melt *v* /melt/  
 microwave oven *n* /,maɪkrəweɪv  
 ˈʌvən/  
 mix *v* /mɪks/  
 mixture *n* /ˈmɪkstʃə(r)/  
 network *n* /ˈnetwɜ:k/  
 neutral *adj* /ˈnju:trəl/  
 observer *n* /əbˈzɜ:və(r)/  
 overview *n* /ˈəʊvəvju:/  
 pack *v* /pæk/  
 passive *n* /ˈpæsɪv/  
 pass through *v* /,pɑ:s ˈθru:/  
 penicillin *n* /,penɪˈsɪlɪn/  
 perfume *n* /ˈpɜ:fju:m/  
 phone line *n* /ˈfəʊn ˌlaɪn/  
 physics laboratory *n* /ˈfɪzɪks  
 ləˌbɒrətɪri/  
 pick up *v* /,pɪk ˈʌp/  
 plug into *v* /ˈplʌg ˌɪntə/  
 poorly-written *adj* /,pɔ:li ˈrɪtn/  
 press *v* /pres/  
 process *n* /ˈprəʊses/  
 professor *n* /prəˈfesə(r)/  
 quality *n* /ˈkwɒləti/  
 radio waves *n pl* /ˈreɪdiəʊ ˌweɪvz/  
 receiving aerial *n* /rɪˈsi:vɪŋ  
 ˌeəriəl/

recycle *v* /,ri:ˈsaɪkl/  
 reference book *n* /ˈrefrəns ˌbʊk/  
 remote control *n* /riˌməʊt  
 kənˈtrəʊl/  
 remote-controlled *adj* /riˌməʊt  
 kənˌtrəʊld/  
 reverse process *n* /rɪˈvɜ:s  
 ˌprəʊses/  
 roll *v* /rəʊl/  
 sand *n* /sænd/  
 satellite dish *n* /ˈsætəlaɪt ˌdɪʃ/  
 secondly *adv* /ˈsekəndli/  
 self-motivated *adj* /ˌself  
 ˈməʊtɪveɪtɪd/  
 send out *v* /ˌsend ˈaʊt/  
 sequencing words *n pl* /  
 ˈsi:kwənsɪŋ ˌwɜ:dz/  
 side-effects *n pl* /ˈsaɪd ɪˌfekts/  
 signals *n pl* /ˈsɪgnəlz/  
 silica *n* /ˈsɪlɪkə/  
 simple *adj* /ˈsɪmpl/  
 small-scale *adj* /ˈsmɔ:l ˌskeɪl/  
 soda ash *n* /ˈsəʊdər ˌæʃ/  
 speakers *n pl* /ˈspi:kəz/  
 steam engine *n* /ˈsti:m ˌendʒɪn/  
 step *n* /step/  
 studio *n* /ˈstju:diəʊ/  
 subsequently *adv* /ˈsʌbsɪkwəntli/  
 tables *n pl* /ˈteɪblz/  
 total *adj* /ˈtəʊtl/  
 transistor radio *n* /trænˌzɪstə  
 ˈreɪdiəʊ/  
 turn back into *v* /ˈtɜ:n ˌbæk ˌɪntə/  
 undetectable *adj* /ˌʌndɪˈtektəbl/  
 voice-powered *adj* /ˈvɔɪs ˌpaʊəd/  
 voice waves *n pl* /ˈvɔɪs ˌweɪvz/  
 waves *n pl* /weɪvz/  
 well-known *adj* /ˌwel ˈnəʊn/  
 well-written *adj* /ˌwel ˈrɪtn/  
 widespread *adj* /ˈwaɪdspred/  
 wireless *adj* /ˈwaɪələs/  
 word processor *n* /ˌwɜ:d  
 ˈprəʊsesə(r)/  
 wrap *v* /ræp/  
 X-rays *n pl* /ˈeks ˌreɪz/

## Unit 10

academic *adj* /ˌækəˈdemɪk/  
 apart from *prep* /əˈpɑ:t frəm/  
 appropriate *adj* /əˈprəʊpriət/  
 approximately *adv*  
 /əˈprɒksɪmətli/  
 Arabic *n* /ˈærəbɪk/  
 bar chart *n* /ˈbɑ: ˌtʃɑ:t/  
 Bengali *n* /benˈgɔ:li/  
 charts *n pl* /tʃɑ:ts/  
 China *n* /ˈtʃaɪnə/  
 comparatives *n pl* /kəmˈpærətɪvz/  
 comparison *n* /kəmˈpærɪsn/  
 continual *adj* /kənˈtɪnjuəl/  
 decrease *n, v* /ˈdi:kri:s, dɪˈkri:s/  
 destinations *n pl* /ˌdestɪˈneɪʃnz/  
 diagram *n* /ˈdaɪəgræm/  
 dramatic *adj* /drəˈmætɪk/  
 dramatically *adv* /drəˈmætɪkli/

drop *n, v* /drɒp/  
 fall *n, v* /fɔ:l/  
 fluctuate *v* /ˈflʌktʃueɪt/  
 foreign *adj* /ˈfɔ:rən/  
 France *n* /frɑ:ns/  
 French *adj* /frenʃ/  
 graph *n* /grɑ:f/  
 grow *v* /grəʊ/  
 growth *n* /grəʊθ/  
 Hindi *n* /ˈhɪndi/  
 horizontal *adj* /ˌhɒrɪˈzɒntl/  
 Hungary *n* /ˈhʌŋgəri/  
 illustrate *v* /ɪləstreɪt/  
 increase *n, v* /ˈɪŋkri:s, ɪnˈkri:s/  
 interpret *v* /ɪnˈtɜ:prɪt/  
 Japan *n* /dʒəˈpæn/  
 Japanese *adj* /ˌdʒæpəˈni:z/  
 lowest point *n* /ˈləʊɪst ˌpɔɪnt/  
 Mandarin Chinese *n* /ˌmændərɪn  
 ˌtʃaɪˈni:z/  
 Mexico *n* /ˈmeksɪkəʊ/  
 overall *adj* /əʊvərˈɔ:l/  
 peak *n* /pi:k/  
 percentage *n* /pəˈsentɪdʒ/  
 period *n* /ˈpɪəriəd/  
 Poland *n* /ˈpəʊlənd/  
 Portuguese *n* /ˌpɔ:ʃʊˈgi:z/  
 refer to *v* /rɪˈfɜ: ˌtu:, tə/  
 remain *v* /rɪˈmeɪn/  
 require *v* /rɪˈkwaɪə(r)/  
 respectively *adv* /rɪˈspektɪvli/  
 rise *n, v* /raɪz/  
 Russia *n* /ˈrʌʃə/  
 Russian *adj, n* /ˈrʌʃn/  
 scientific *adj* /ˌsaɪəntɪˈfɪk/  
 significantly *adv* /sɪɡˈnɪfɪkəntli/  
 slight *adj* /slaɪt/  
 slightly *adv* /ˈslaɪtli/  
 Spain *n* /speɪn/  
 Spanish *n* /ˈspæɪnɪʃ/  
 spot *n* /spɒt/  
 stable *adj* /ˈsteɪbl/  
 statistical *adj* /stəˈtɪstɪkl/  
 statistics *n pl* /stəˈtɪstɪks/  
 steadily *adv* /ˈstedəli/  
 steady *adj* /ˈstedi/  
 sudden *adj* /ˈsʌdn/  
 suddenly *adv* /ˈsʌdnli/  
 superlatives *n pl* /suːˈpɜ:lətɪvz/  
 trend *n* /trend/  
 unexpected *adj* /ˌʌnɪkˈspektɪd/  
 USA *n* /ˌju: es ˈeɪ/  
 vary *v* /ˈveəri/  
 vertical *adj* /ˈvɜ:tɪkl/  
 whereas *conj* /ˌweəˈæz/

## Phonetic symbols

Consonants			
1	/p/	as in	<b>pen</b> /pen/
2	/b/	as in	<b>big</b> /bɪg/
3	/t/	as in	<b>tea</b> /ti:/
4	/d/	as in	<b>do</b> /du:/
5	/k/	as in	<b>cat</b> /kæt/
6	/g/	as in	<b>go</b> /gəʊ/
7	/f/	as in	<b>four</b> /fɔ:/
8	/v/	as in	<b>very</b> /'veri/
9	/s/	as in	<b>son</b> /sʌn/
10	/z/	as in	<b>zoo</b> /zu:/
11	/l/	as in	<b>live</b> /lɪv/
12	/m/	as in	<b>my</b> /maɪ/
13	/n/	as in	<b>near</b> /nɪə/
14	/h/	as in	<b>happy</b> /'hæpi/
15	/r/	as in	<b>red</b> /red/
16	/j/	as in	<b>yes</b> /jes/
17	/w/	as in	<b>want</b> /wɒnt/
18	/θ/	as in	<b>thanks</b> /θæŋks/
19	/ð/	as in	<b>the</b> /ðə/
20	/ʃ/	as in	<b>she</b> /ʃi:/
21	/ʒ/	as in	<b>television</b> /'telɪvɪʒn/
22	/tʃ/	as in	<b>child</b> /tʃaɪld/
23	/dʒ/	as in	<b>German</b> /'dʒɜ:mən/
24	/ŋ/	as in	<b>English</b> /'ɪŋɡlɪʃ/

Vowels			
25	/i:/	as in	<b>see</b> /si:/
26	/ɪ/	as in	<b>his</b> /hɪz/
27	/i/	as in	<b>twenty</b> /'twenti/
28	/e/	as in	<b>ten</b> /ten/
29	/æ/	as in	<b>stamp</b> /stæmp/
30	/ɑ:/	as in	<b>father</b> /'fɑ:ðə/
31	/ɒ/	as in	<b>hot</b> /hɒt/
32	/ɔ:/	as in	<b>morning</b> /'mɔ:nɪŋ/
33	/ʊ/	as in	<b>football</b> /'fʊtbɔ:l/
34	/u:/	as in	<b>you</b> /ju:/
35	/ʌ/	as in	<b>sun</b> /sʌn/
36	/ɜ:/	as in	<b>learn</b> /lɜ:n/
37	/ə/	as in	<b>letter</b> /'letə/

Diphthongs (two vowels together)			
38	/eɪ/	as in	<b>name</b> /neɪm/
39	/əʊ/	as in	<b>no</b> /nəʊ/
40	/aɪ/	as in	<b>my</b> /maɪ/
41	/aʊ/	as in	<b>how</b> /haʊ/
42	/ɔɪ/	as in	<b>boy</b> /bɔɪ/
43	/ɪə/	as in	<b>hear</b> /hɪə/
44	/eə/	as in	<b>where</b> /weə/
45	/ʊə/	as in	<b>tour</b> /tʊə/



**OXFORD**  
UNIVERSITY PRESS

Great Clarendon Street, Oxford, OX2 6DP, United Kingdom

Oxford University Press is a department of the University of Oxford. It furthers the University's objective of excellence in research, scholarship, and education by publishing worldwide. Oxford is a registered trade mark of Oxford University Press in the UK and in certain other countries

© Oxford University Press 2011

The moral rights of the author have been asserted

First published in 2011

2016 2015 2014 2013

10 9 8 7 6

#### **No unauthorized photocopying**

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without the prior permission in writing of Oxford University Press, or as expressly permitted by law, by licence or under terms agreed with the appropriate reprographics rights organization. Enquiries concerning reproduction outside the scope of the above should be sent to the ELT Rights Department, Oxford University Press, at the address above

You must not circulate this work in any other form and you must impose this same condition on any acquirer

Links to third party websites are provided by Oxford in good faith and for information only. Oxford disclaims any responsibility for the materials contained in any third party website referenced in this work

ISBN: 978 0 19 474160 6

Printed in China

This book is printed on paper from certified and well-managed sources

#### ACKNOWLEDGEMENTS

*Illustrations by:* Peter Bull, p.40; Mark Duffin, pp.14, 26, 53, 62; Gavin Reece, p.21, 46

*Commissioned photography by:* Pearl Bevan, p.6

*We would also like to thank the following for permission to reproduce the following photographs:* Alamy pp.7 (GlowImages), 11 (wales a/John Henshall), 11 (singapore b/Chad Ehlers), 11 (morocco c/JTB Photo), 13 (sydney a/Andrew Morse), 13 (everest c/MaryEllen McGrath/Bruce Coleman Inc.), 16 (hotel c/Helene Rogers), 19 (man beard a/CITIZEN STOCK LLC), 23 (car b/SiliconValleyStock), 24 (D. Hurst), 25 (Andrew Linscott), 27 (plane a/Image Source), 29 (Peter Adams Photography), 37 (bilderlounge media GmbH/Claudia Gispperl), 42 (Stock Connection Distribution/Dean Lipoff), 51 (phone b/Ian Hayes), 51 (sat nav b/Simon Hadley), 52 (Mary Evans Picture Library), 54 (doug steley), 55 (television a/V&A Images), 55 (telephone b/Art Directors & TRIP), 55 (microwave f/photostock1); Corbis UK Ltd pp.15 (Tom Van Sant), 19 (man hat c/Jed & Kaoru Share), 34 (Colin Monteath/age fotostock Spain S.L.), 40 (shakespeare a/Bettmann), 43 (football b/Christian Liewig), 43 (tennis c/Rhona Wisepa), 45 (Jean Philippe Arles/Reuters), 48 (MIT Media Lab/epa), 55 (flight c/Underwood & Underwood), 55 (steam engine h/Philip Gendreau), 58 (mosque a/Paul Hardy); 58 (rome b/Sylvain Sonnet), Getty Images pp.4 (Photosindia), 12 (John Lawrence), 13 (river b/Sylvain Grandadam), 13 (desert d/Daniele Pellegrini), 16 (man holding a/Sin Stafford), 16 (man b/Siri Stafford), 19 (chauffeur b/Rob Melnychuk), 27 (audio technology b/Ian Waldie/Bloomberg), 31 (Stockbyte), 33 (DOF-PHOTO by Fulvio), 35 (), 39 (foot skeleton a/BSIP/Photolibrary.com), 39 (vegetables b/Maximilian Stock Ltd.), 43 (curie a/Hulton Archive/Getty Images), 55 (wheel d/Dorling Kindersley), 58 (canada c/Jacob Taposchaner); Press Association Images p.44 (Mok Yui Mok/Empics/PA); Rex Features pp.23 (plane a/Rex Features), 36 (Action Press), 40 (christie b/Everett Collection), 51 (dentist c/Phanie), 55 (engine e/Mimmo Frassinetti); Science & Society Picture Library p.55 (computer g/Science Museum); Science Photo Library p.39 (tuberculosis c/Alfred Pasioka)

*The authors and publisher are grateful to those who have given permission to reproduce the following extracts and adaptations of copyright material:* p8 and p26 Entries from the *Oxford Essential Dictionary of English* © Oxford University Press 2001. Reproduced by kind permission.

*Sources:* p30 Extract from *Regeneration* by Pat Barker.

p30 Extract from *Lecture Notes on Clinical Medicine* by David Rubenstein, David Wayne and John Bradley.

p59 [www.scientificamerican.com/article](http://www.scientificamerican.com/article)

*Although every effort has been made to trace and contact copyright holders before publication, this has not been possible in some cases. We apologise for any apparent infringement of copyright and, if notified, the publisher will be pleased to rectify any errors or omissions at the earliest possible opportunity.*

# Headway Academic Skills

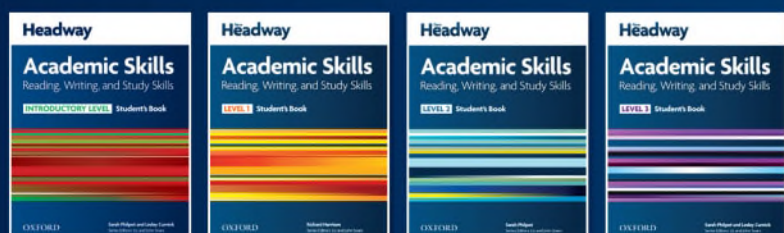
Your bridge to academic success

**Headway Academic Skills** bridges the gap between general and academic English. Aimed at students in higher education, this two-strand course can be used either on its own, or alongside a general English course.

- Features thought-provoking topics relevant to students in higher education
- Develops skills required for academic study, including note-taking, essay-writing, and giving presentations
- Includes strategies for undertaking research and dealing with unfamiliar academic vocabulary

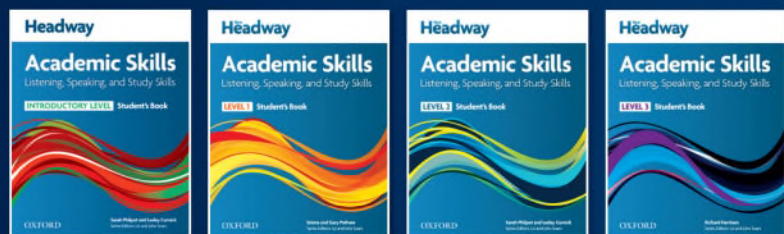
## Reading, Writing, and Study Skills

features guided writing models and reading strategies such as predicting, skimming, and scanning.



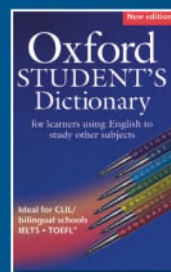
## Listening, Speaking, and Study Skills

develops techniques for note-taking in lectures, giving presentations, and expressing opinions.



Available at each level:

- **Student's Book**
- **Teacher's Guide** with Tests and Photocopiable Activities
- **Class Audio CDs** for Listening, Speaking, and Study Skills



Extend your students' vocabulary and language skills further with the **Oxford Student's Dictionary of English**.

**OXFORD**  
UNIVERSITY PRESS

[www.oup.com/elt](http://www.oup.com/elt)

 for all your testing needs  
online go to  
[oxfordenglishtesting.com](http://oxfordenglishtesting.com)

**CEFR**  
B2  
B1  
A2

ISBN 978-0-19-474160-6  
  
9 780194 741606