

# Lipids

**Lipids**: Are organic compounds including fats , oils, steroids and waxes. They stored in adipose tissue of the body, they have insoluble in water and soluble in non- polar solvents such as ether and chloroform .

## **Functions of Lipids**

- 1-Lipids are source of high energy value ( 1gm of fat =9 Calories ).
- 2-Lipids are components of membrane structure and regulate the membrane permeability.
- 3- Lipids serve as a source of fat soluble vitamins (A, D, k and E).
- 4-Lipids protect the internal organs sever as insulating.

## **Classification of Lipids**

Lipids classified in two classes:

### **A. Based on the composition of lipids:**