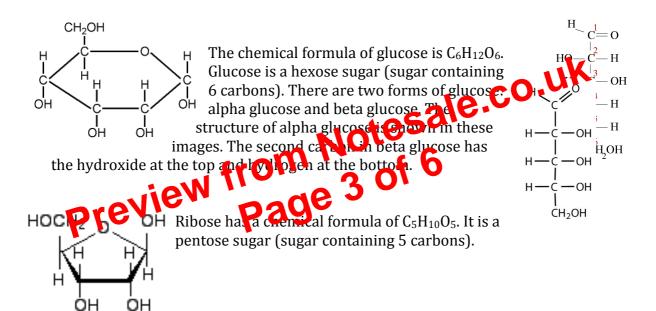
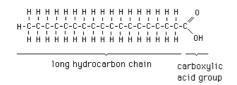
energy are required to break hydrogen bonds.	transporting metabolic substances.
Water evaporates as hydrogen bonds are broken and heat from the water is used.	Sweating and transpiration enable plants to lose heat, so water acts as a coolant.

## 3.2 Carbohydrates, Lipids and Proteins

Organic compounds are compounds that consist of carbon and are  $\,$  . Inorganic compounds do not consist of carbon.





Here is a genera structure of a fatty acid. The acid part of the name comes from the carboxylic group, which ionises to form hydrogen ions, weak acids. The hydrocarbon chain or tail is hydrophobic.

Amino acids have both an amino group  $(NH_2)$  and a carboxyl group (COOH). The R group is different for each amino acid (there are 20 different types of amino acids).

