

Food



Give 3 reasons why organisms need food:

- 1.
- 2.
- 3.

List 6 common elements in food:

List 5 elements dissolved as salts:

List 3 trace elements:

Carbohydrates

Elements present:

Ratio of elements present:

Three types of carbohydrates:

Food sources:

Structural role:

Metabolic role:

Lipids (fats)

Elements present:

Draw structure of lipids:

Food sources:

Structural role:

Metabolic role:

Proteins

Elements present:

Describe the structure of proteins:

Difference between fibrous and globular proteins?

Food sources:

Structural role:

Metabolic role:

What are vitamins?

Vitamin C (water soluble)

Food sources:

Metabolic role:

Effects of deficiency:

Vitamin D (fat soluble)

Food sources:

Metabolic role:

Effects of deficiency:

Minerals

Function of two minerals in plants:

Function of two minerals in animals:

Water

Five ways in which water is important for living things:

- 1.
- 2.
- 3.
- 4.
- 5.

Metabolic reactions

Anabolism

Define:

Give example:

Catabolism

Define:

Give example:

Experiment: Food tests

Describe the test and give positive result

Reducing sugar:

Starch:

Fat:

Protein: