

Ch-1 →

Nutrition in plants

NOTES

- We all require food to
 - to grow
 - repair damaged parts of our body, and
 - to derive energy to perform life-process.

Nutrition → The process of utilization of food by an animal or plant to obtain energy, for growth and development called Nutrition.

Nutrients → The components / substances in food that our body needs to survive, to work properly.

The components of food

Carbohydrates, Proteins, Fats, vitamins and minerals are the components of food which are necessary for our body.

Modes of nutrition →

- Autotrophic Nutrition
- Heterotrophic Nutrition

• Autotrophic Nutrition → The term autotroph is made up of 'auto' meaning 'self' and 'troph' meaning 'feeding'.

- Organisms which can make their own food from simple substances by the process of photosynthesis are called Autotrophs, and their mode of nutrition is called autotrophic nutrition.

• Green plants take CO_2 and water from the environment and combine them to make glucose and oxygen with the help of sunlight energy, and by trapping the green pigment present in their leaves called chlorophyll.