

7 Science: Chapter 1 – Nutrition in Plants

Question1. Why do organisms
take food?

Solution1:

Living organism eat food to get
energy, which is essential for
performing growth and
maintenance of their body.

Question2. Distinguish between a parasite and a saprotroph.

Solution2:

Saprotroph	Parasite
These are the organism that takes nutrients from the dead or decaying organic matter.	These are the organism that grows and feeds on a living organism.
Example: Fungi	Example: Cuscuta

Question4. Give a brief description of the process of synthesis of food in green plants.

Solution4:

Photo means light and synthesis means to combine. Photosynthesis is the process by which plants prepare their food. In this process green pigment in plants (known as chlorophyll) helps leaves to capture the energy of the sunlight. This energy is used to synthesise (prepare) food from carbon dioxide and water.

Question 6. Fill in the blanks:

(a) Green plants are called _____ since they synthesise their own food.

Answer (a): Autotrophs

(b) The food synthesised by plants is stored as _____.

Answer (b): Starch

(c) In photosynthesis solar energy is absorbed by the pigment called _____.

Answer (c): Chlorophyll

(d) During photosynthesis plants take in _____ and release _____ gas.

Answer (d): Carbon dioxide, Oxygen