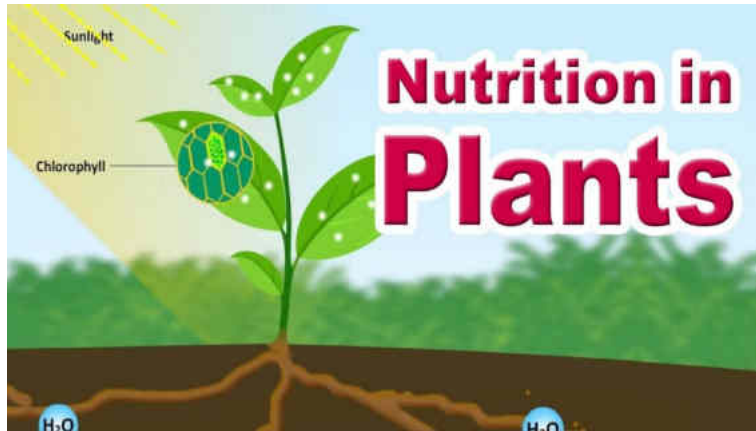CHAPTER 1

Question 1: why do organisms take food?

Answer:

The organisms need to take food to build their bodies, to grow, to repair damaged part of their bodies and to obtain the energy to carry out life processes. Food provides the ability to fight against diseases .

Question 2: Distinguish between a parasites and a saprotroph.

Answer:

Differences between parasites and saprophytes are:

	Parasite	Saprotroph

1.	The organism that lives inside the body of another organism (host) and derives the food from it.	The organism that feeds on dead and decaying organic matter. They do not require any host.
2.	They harm the body of host.	They are cleaning agents.
3.	Cuscuta plant is a parasite.	Fungi is a saprotroph.

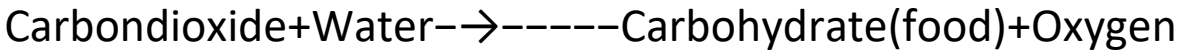**Question 3: How would you test the presence of starch in leaves?**

Answer:

Presence of starch in leaves can be tested by iodine test. Iodine turns starch solution into blue-black color.

Question 4: Give a brief description of the process of synthesis of food in green plants.
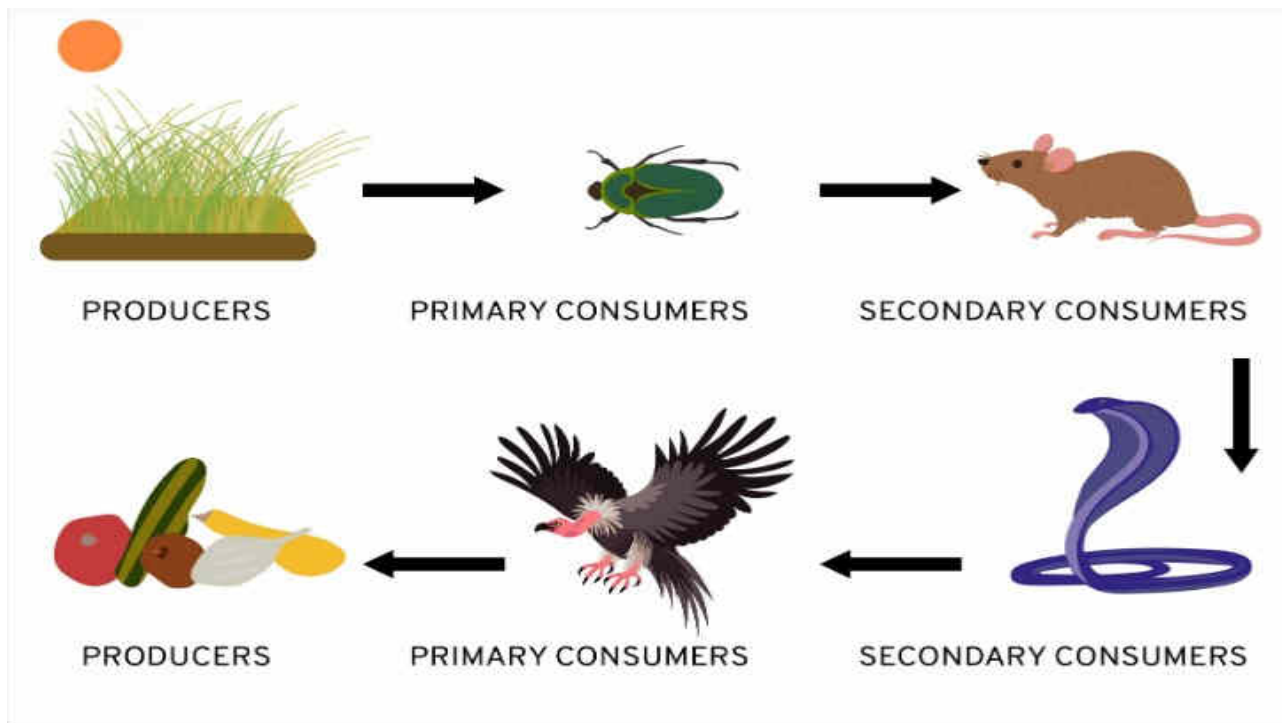
Answer:

Plants prepare their own food by the process of photosynthesis. Leaves of the plants have green pigment called chlorophyll, which helps them to capture the energy of the sunlight and they synthesis food from carbon dioxide and water. The reaction for the process of photosynthesis can be shown as follows:

Carbondioxide+Water−→−−−−−Carbohydrate(food)+Oxygen

During photosynthesis, food is synthesized and oxygen is, released in the process.

Question 5: Show with the help of a sketch that plants are the ultimate source of food.

Answer:

Question 6: Why do farmers grow many fruits and vegetable crops inside large green houses? What are the advantages to the farmers?

Answer:

As green house protects the plants to inside it from the climatic conditions outside and gives it suitable temperature for growth that's why farmers do so.

Farmers get advantages such as:

1:They have bountiful crops.

2:Their crops are also protected from birds and animals.