



1. Why do organisms need to take food?

Answer: Food is needed by all organisms for many purposes:

- (a) The main function of food is to help in growth.
- (b) Food provides energy for movements such as running, walking or raising our arm.
- (c) Food is also needed for replacement and repairing damaged parts of body.
- (d) Food gives us resistance to fight against diseases and protects us from infections

2. Distinguish between a parasite and a saprotroph.

Answer:

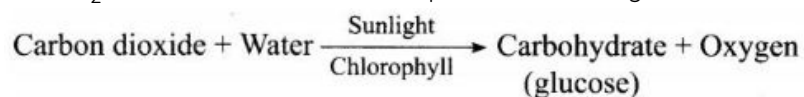
<i>Parasite</i>	<i>Saprotrophs</i>
(i) Parasite feeds on a living organism.	(i) They feed on dead and decaying organism.
(ii) The organism on which it feeds is called host.	(ii) They do not feed on a living organism.

3. How would you test the presence of starch in leaves?

Answer: The presence of starch in leaves can be tested by Iodine test. When we remove chlorophyll from leaf by boiling it in alcohol and then put 2 drops of iodine solution, its colour change to blue indicates the presence of starch.

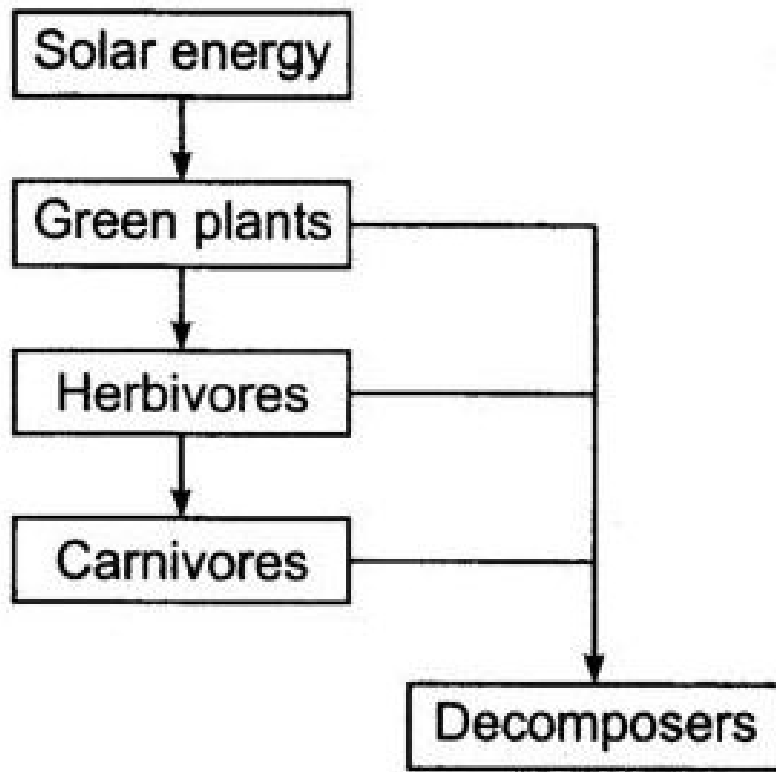
4. Give a brief description of the process of synthesis of food in green plants.

Answer: The green plants have chlorophyll in the leaves. The leaves use CO₂ and water to make food in presence of sunlight.



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

Answer:



6. Fill in the blanks:

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

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

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

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

Answer:

(a) autotrophs

(b) starch

(c) chlorophyll

(d) carbon dioxide, oxygen

***** END *****