

Chapter -1 Class IV

Plants make food

I. Very Short Answer the following :-

1. Name the solution which is used to test the presence of starch in the leaves?

Ans. Iodine is used to test the presence of starch in the leaves.

2. A food chain always starts with which organism?

Ans. A food chain always starts from producer (plant).

3. Name the vein that runs through the middle of a leaf?

Ans. Main vein (mid rib) run through the middle of a leaf.

4. In which form plants prepare their food?

Ans. Plant prepares their food in the form of sugar (glucose).

5. Name the process by which green plants make their food?

Ans. The process by which green plants make their food is called photosynthesis.

II. Short answer :-

1. What will happen if the number of animal increases suddenly?

Ans. If the number of animal increases suddenly that it will be difficult for plants to supply food and oxygen to all animal.

2. What happen to the oxygen made by leaves?

Ans. Oxygen made by leaves is given out through stomata and is used by all living organism.

3. What is the role of stomata in photosynthesis?

Ans. The role of stomata in photosynthesis is taking in carbon dioxide (CO_2) giving out oxygen (O_2) and excess water vapour.

4. What is food chain?

Ans. The flow of energy in the form of food from one living organism to another is called food chain.

Ex :- grass --- deer ---- lion

III. Give reason :-

1. Why are leaves mostly in green colour?

Ans. Leaves are mostly green in colour due to the presence of green pigment called chlorophyll.

2. Why leaves are called kitchen of the plant?

Ans. Leaves are called kitchen and food factory of plants because they make food for the plants.

3. What can we learn from cactus plant?

Ans. By observing cactus we learn how to survive in difficult conditions.

4. Leaves of some plants like croton are not green still they are able to make their food by photosynthesis? How.

Ans. The leaves of croton have chlorophyll. They appear dark red in colour because the red pigment present in them hides the green colour chlorophyll.

5. How can you check whether potato contains starch or not?

Ans. 1) Take a cut slice of potato.

2) Add a few drops of iodine solution on it.

3) It turns blue black

4) This shows potato contains starch.

IV. Long answer-

1. How do the plants use their food?

Ans. Plants use their food in the following way-

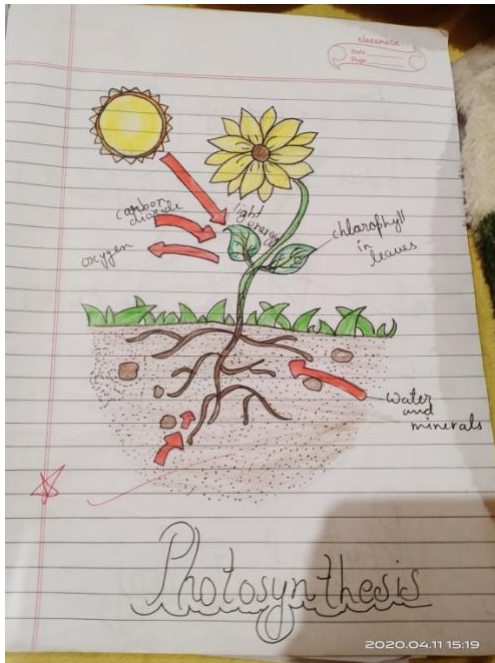
1) They use their food for growth.

2) They burn it to produce energy.

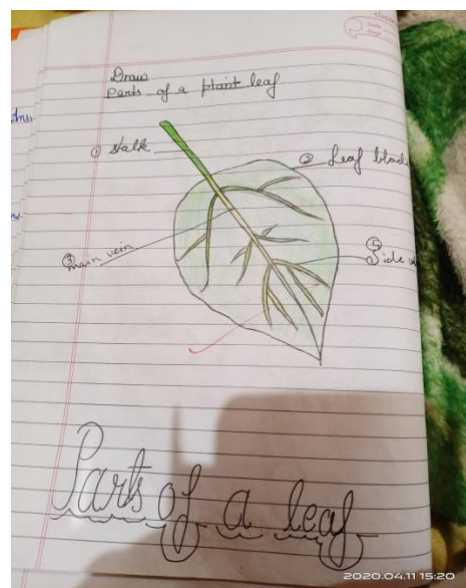
3) They used them to repair damaged cells.

2. What is photosynthesis? Explain with digram.

Ans. The process by which leaves make food with the help of carbon dioxide and water in the presence of sunlight and chlorophyll is called photosynthesis.



IV. Draw parts of a leaf



V. Match them-

1. Main vein – mid rib
2. Stalk - petiole
3. Leaf blade – lamina
4. Photosynthesis- chlorophyll

VI. Fill in the blanks-

1. Leaf blade helps a leaf to trap sunlight.
2. Food made by the leaves is glucose.
3. Dodder cannot make its own food.
4. Leaf is attached to the stem with the help of stalk.