

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi-110092

Session: 2026-2027

Class: IV Subject: Science Topic: Food Making in plants. Lesson No: 1

- Reading of the chapter
- Explanation (will be done in class)

(Textbook exercise)

Check point 1

1. Xylem
2. Chlorophyll
3. Stomata

Check point 2

1. True
2. True
3. False
4. False
5. True

A. Fill in the blanks:-

1. Leaves
2. Microscope
3. Oxygen
4. Iodine

B. Give one word of the following:-

1. Leaf blade
2. Glucose

3. Starch

C. Give two examples for each of the following:-

1. Pitcher plant, Venus flytrap
2. Mould, Mushroom
3. Croton, Coleus

D. Tick the correct answer:-

1. Chlorophyll
2. Phloem
3. Pitcher plant
4. Photosynthesis

G. Complete the crossword puzzle with the help of the given clues:-

ACROSS

3. Leaf
5. Water
7. Solar
9. Glucose

DOWN

1. Chlorophyll
2. Starch
4. Food
6. Roots

Define (Learn from the pg.15)

(Notebook Work)

● New Words

1. Lamina
2. Xylem
3. Phloem
4. Transpiration
5. Glucose
6. Photosynthesis
7. Coleus
8. Fungi
9. Heterotrophs
10. Croton

E. Answer the following questions.

1. What are different parts of a leaf?

Ans. Different parts of a leaf are leaf blade or lamina, leaf apex, midrib and side veins.

2. What is photosynthesis?

Ans. Photosynthesis is a process by which green plants make their food in the presence of chlorophyll and sunlight by using carbon dioxide and water.

3. What are the materials used by plants during photosynthesis?

Ans. Plants use carbon dioxide, water and sunlight during photosynthesis.

4. Write down the equation of photosynthesis. Ans.

Carbon dioxide + Water $\xrightarrow[\text{Chlorophyll}]{\text{Sunlight}}$ Glucose + Oxygen + Water vapour

5. What are the uses of the food made by the plants?

Ans. The food made by plants is used for growth and building new cells, and to repair worn-out cells.

6. Why does Venus flytrap eat insects?

Ans. Venus flytrap grows in the soil which is poor in minerals. So, it traps insects to get the required minerals.

7. How do plants and animals depend on each other?

Ans. (a) Animals breathe out carbon dioxide which is used by plants for making food while in turn, plants release oxygen which is used by animals for breathing.

(b) Animals get food from plants and when they die, they become part of the soil and make it rich in minerals which are used by plants.

8. What will happen if there are more animals than plants in nature?

Ans. If there are more animals than plants in nature, there will be shortage of food and oxygen, and the amount of carbon dioxide will increase in the atmosphere. This increase will warm the atmosphere.

Give Reasons

1. Plants and gold fish are grown together in a fishbowl. Why?

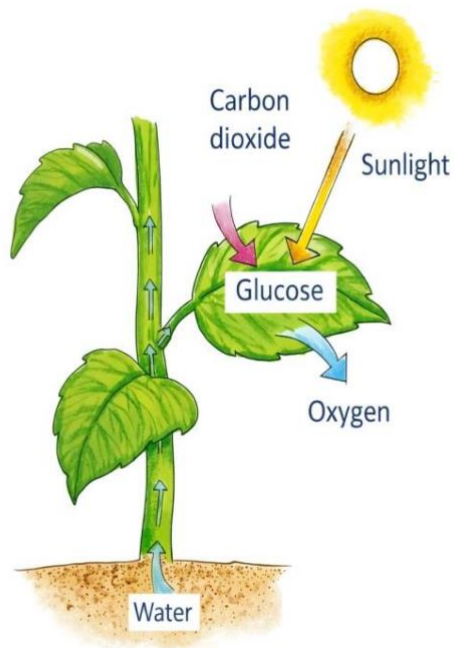
Ans. Plants give oxygen to breathe and in turn gold fish breathe out carbon dioxide which is used by plants for photosynthesis.

2. The leaves of croton and coleus plants are not green, but carry out photosynthesis. How?

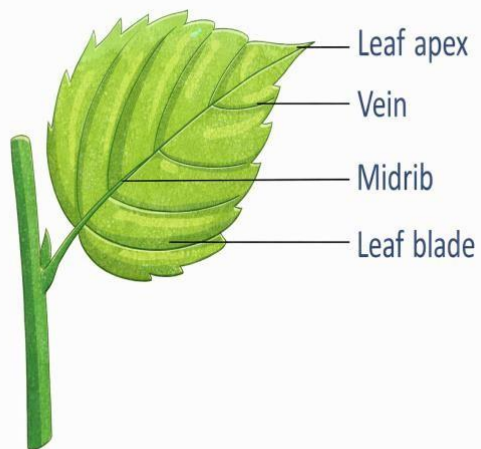
Ans. The leaves of croton and coleus plants carry out photosynthesis because they also have chlorophyll but, it is masked by other pigments and is not visible.

Diagrams

Draw the following diagrams:



Process of photosynthesis



Structure of a leaf

Dictation

Any 10 words

Activity

Draw or paste the picture of Insectivorous plant