



The structure of a plant

A. Choose the Correct Answer:

1. Which part of the plant anchors it to the soil and absorbs water?

- A) Stem
- B) Root
- C) Leaf
- D) Flower

2. What is the main function of the stem?

- A) To absorb water from the soil
- B) To produce seeds
- C) To transport water and nutrients to different parts of the plant
- D) To perform photosynthesis

3. Which part of the plant is responsible for photosynthesis?

- A) Root
- B) Stem
- C) Leaf
- D) Flower

B. Fill in the Blanks:

1. The _____ supports the plant and carries water and nutrients to the leaves.
2. The _____ holds the plant firmly in the soil.
3. The green pigment in leaves that helps in photosynthesis is called _____.

C. Case Study:

Rahul was observing plants in his school garden.

- He noticed that the leaves were broad and green, helping the plant make its own food.
- The stem was upright and strong, carrying water from the roots to the leaves.
- He also saw colorful flowers blooming on some plants.
- When he dug a little into the soil, he found roots spreading out and anchoring the plants firmly.



Case Study Questions:

1. What role do the leaves play in the plant observed by Rahul?
2. How does the stem help the plant?
3. What did Rahul observe about the roots?
4. Why are flowers important for the plant?

D. Short Answer Questions:

1. What are the main parts of a plant?
2. What is the function of the root in a plant?
3. How does the stem help in the transportation of water and nutrients?

E. Long Answer Questions:

1. Explain the structure of a plant with a diagram and describe the function of each part.
 2. How do the roots, stem, and leaves work together to support the plant's growth?
 3. Why is photosynthesis important for plants, and how do the leaves contribute to this process?
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