



Parts of a Plant

A. Choose the Correct Answer:

1. Which part of the plant is responsible for absorbing water and nutrients from the soil?
A) Stem
B) Root
C) Leaf
D) Flower
2. What is the main function of leaves in a plant?
A) To store water
B) To absorb nutrients from the soil
C) To make food through photosynthesis
D) To support the plant
3. Which of the following is NOT a part of a plant?
A) Stem
B) Root
C) Seed
D) Bone

B. Fill in the Blanks:

1. The _____ of a plant absorbs water and minerals from the soil.
2. The process by which green plants make their own food is called _____.
3. The _____ of a plant helps in reproduction and produces seeds.

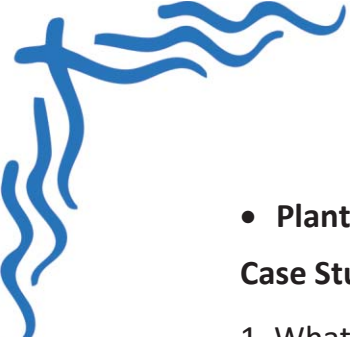
C. Case Study:

Ravi conducted an experiment with three plants:

- **Plant A** was kept in sunlight and watered regularly.
- **Plant B** was kept in a dark room but was watered daily.
- **Plant C** was placed in sunlight but was not given water.

After a week, Ravi observed the following:

- **Plant A** remained healthy and green.
- **Plant B** had yellow leaves and looked weak.

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- **Plant C** dried up and its leaves wilted.

Case Study Questions:

1. What was Ravi trying to find out through his experiment?
2. Why did Plant B turn yellow even though it was watered regularly?
3. What happened to Plant C, and why did it wilt?
4. Based on the experiment, what two things are essential for a plant's growth?

D. Short Answer Questions:

1. What are the main parts of a plant?
2. Why are roots important for a plant?
3. How does a plant make its own food?

E. Long Answer Questions:

1. Describe the functions of different parts of a plant.
 2. Explain how photosynthesis helps plants grow.
 3. How do flowers help in the reproduction of plants?
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