

## Germination

### A. Choose the correct answer:

1. What does a seed need to germinate?
  - A) Light, toys, and music
  - B) Water, air, and warmth
  - C) Sugar, salt, and paper
  - D) Stones, soil, and ice
2. Which part of the plant grows first during germination?
  - A) Leaf
  - B) Stem
  - C) Root
  - D) Flower
3. What is the name of the baby plant inside a seed?
  - A) Root
  - B) Seedling
  - C) Embryo
  - D) Leaf

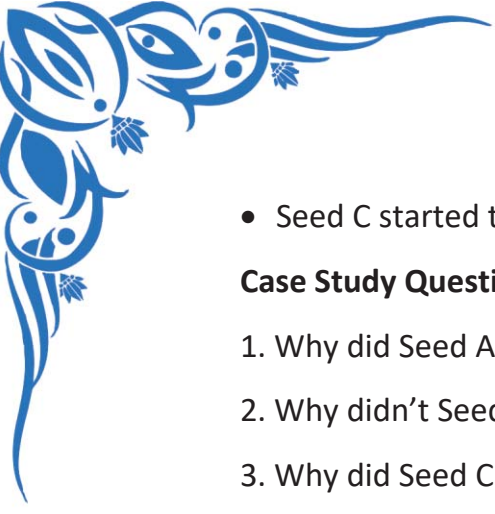
### B. Fill in the Blanks:

1. Seeds need \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ to germinate.
2. The first part of the seed to grow is the \_\_\_\_\_.
3. A seedling becomes a \_\_\_\_\_ when it grows bigger.

### C. Case Study:

Ravi conducted an experiment to see how seeds germinate.

- He placed three seeds in different conditions:
- Seed A was placed in wet soil with sunlight.
- Seed B was kept in dry sand without water.
- Seed C was put in a dark cupboard with water.
- After 5 days, Ravi observed that:
- Seed A grew into a small plant.
- Seed B did not grow at all.



- Seed C started to sprout but looked weak and pale.

**Case Study Questions:**

1. Why did Seed A grow into a healthy plant?
2. Why didn't Seed B grow?
3. Why did Seed C look weak and pale?
4. Based on this experiment, what are the necessary conditions for germination?

**D. Short Answer Questions:**

1. What is germination?
2. Name any two things a seed needs to grow.
3. What happens to the seed coat during germination?

**E. Long Answer Questions:**

1. Explain the process of germination with simple steps.
2. Why is water important for germination?
3. Draw and label the parts of a germinating seed.