

CHAPTER-10 | Living Creatures: Exploring their Characteristics

QUIZ PART-02

1. Why is a seed considered living?

- A. It is green
- B. It can grow into a plant
- C. It can move
- D. It produces light (B)

Explanation : The ability to grow and develop into a plant shows it has life potential.

2. Germination is:

- A. Drying of seed
- B. Sprouting of seed
- C. Death of seed
- D. Formation of fruit (B)

Explanation : Germination is when a seed starts growing into a seedling.

3. Which is part of a seed?

- A. Petal
- B. Embryo
- C. Stem
- D. Root hair (B)

Explanation : The embryo is the undeveloped plant that grows during germination.

4. The embryo develops into a:

- A. Root only
- B. Leaf only
- C. New plant
- D. Flower (C)

Explanation : The embryo contains all basic structures needed to form a complete plant.

5. Why did seeds in Pot A not germinate?

- A. No air
- B. No water
- C. No sunlight
- D. Too much soil (B)

Explanation : Water activates enzymes and softens the seed coat, which is essential for germination.

6. Why does excess water prevent germination?

- A. Too much sunlight
- B. Lack of oxygen
- C. Too much heat
- D. Seed becomes dry (B)

Explanation : Excess water fills air spaces, cutting off oxygen needed for respiration.

7. What does Pot C show?

- A. Seeds need sunlight
- B. Seeds need only soil
- C. Seeds can germinate without light initially
- D. Seeds need heat only (C)

Explanation : Germination depends mainly on water, air, and warmth—not light initially.

8. Which is essential for germination?

- A. Water only
- B. Air only
- C. Warmth only
- D. All of these (D)

Explanation : All three factors together enable metabolic activity and growth.

9. What is the role of water in germination?

- A. Hardens seed coat
- B. Activates growth processes
- C. Stops growth
- D. Changes color (B)

Explanation : Water triggers enzyme activity that starts growth inside the seed.

10. Sunlight is mainly needed:

- A. Before germination
- B. During seed formation
- C. After germination
- D. Not needed at all (C)

Explanation : Sunlight is required later for photosynthesis once the plant starts growing.