

CHAPTER-10 | Living Creatures: Exploring their Characteristics

QUIZ PART-03

1. Shoots grow:

- A. Downward
- B. Upward
- C. Sideways
- D. Inside soil (B)

Explanation: Shoots grow upward towards light.

2. Roots grow:

- A. Upward
- B. Sideways
- C. Downward
- D. Towards light (C)

Explanation: Roots grow downward due to gravity.

3. In inverted plant, shoot:

- A. Goes down
- B. Goes up
- C. Stops growing
- D. Breaks (B)

Explanation: Shoot still grows upward against gravity.

4. In inverted plant, root:

- A. Goes up
- B. Goes down
- C. Stops
- D. Moves sideways (B)

Explanation: Root always grows downward due to gravity.

5. Shoot bends toward:

- A. Soil
- B. Water
- C. Light
- D. Air (C)

Explanation: Shoots grow toward light (phototropism).

6. Root grows toward:

- A. Light
- B. Gravity
- C. Heat
- D. Air (B)

Explanation: Roots grow downward due to gravity (gravitropism).

7. Growth toward light is called:

- A. Respiration
- B. Phototropism
- C. Excretion
- D. Germination (B)

Explanation: Phototropism means growth in response to light.

8. Growth due to gravity is called:

- A. Photosynthesis
- B. Gravitropism
- C. Respiration
- D. Digestion (B)

Explanation: Gravitropism is growth in response to gravity.

9. Jagadish Chandra Bose studied:

- A. Animals
- B. Machines
- C. Plants
- D. Soil (C)

Explanation: He performed experiments to study plant responses.

10. Crescograph is used to:

- A. Cut plants
- B. Measure plant growth
- C. Water plants
- D. Make seeds (B)

Explanation: It measures how fast plants grow.