

Seed Structure and Germination

Biology · Practice Test · 15 Questions

1. What part of the flower develops into a fruit?

- A) Ovule
- B) Stigma
- C) Ovary
- D) Petal

2. What is the primary function of a fruit in relation to the seed?

- A) To attract pollinators
- B) To protect the developing seed
- C) To store water
- D) To provide sunlight

3. Which of the following is NOT a method of seed dispersal mentioned in the text?

- A) Wind
- B) Water
- C) Insects
- D) Photosynthesis

4. What triggers the process of germination?

- A) Sunlight
- B) Absence of water
- C) Absorption of water
- D) Presence of oxygen

5. In a monocotyledonous seed, how many cotyledons are typically present?

- A) Zero
- B) One
- C) Two
- D) Three

6. What is the main role of cotyledons in seeds?

- A) To absorb sunlight
- B) To store reserve food
- C) To protect the radicle
- D) To develop into the fruit

7. What part of the embryo develops into the root system?

- A) Plumule
- B) Cotyledon
- C) Radicle
- D) Testa

8. What is the outermost protective layer of a seed called?

- A) Endosperm
- B) Cotyledon
- C) Plumule
- D) Testa

9. In a dicotyledonous seed, what is stored in the two cotyledons?

- A) Water
- B) Reserve food
- C) Sunlight
- D) Oxygen

10. What does the plumule develop into in a germinating seed?

- A) Roots
- B) Fruit
- C) Shoot (vegetative plant)
- D) Seed coat

11. What is the endosperm's primary function in some seeds?

- A) To attract animals
- B) To store reserve food
- C) To protect the seed coat
- D) To release seeds

12. How are seeds released from the fruit?

- A) By the fruit opening
- B) By being eaten
- C) By both opening and being eaten
- D) None of the above

13. Which of the following is a common disperser of seeds mentioned?

- A) Volcanoes
- B) Earthquakes
- C) Animals
- D) Tornadoes

14. What is the term for the process where a seed starts to grow?

- A) Fertilization
- B) Pollination
- C) Germination
- D) Dispersal

15. In a dicotyledonous seed, how many cotyledons are usually present?

- A) One
- B) Two
- C) Three
- D) Four