

## Seed Germination Quiz Answer Key PDF

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**Which part of the seed emerges first during germination?**

- A. Plumule
- C. Radicle ✓**
- D. Seed Coat
- C. Cotyledon

**What is the primary function of the seed coat?**

- A. Photosynthesis
- C. Protection ✓**
- D. Water absorption
- C. Nutrient storage

**What is the first stage of seed germination?**

- A. Activation
- C. Imbibition ✓**
- D. Dormancy
- C. Growth

**Which condition is NOT essential for seed germination?**

- A. Light ✓**
- C. Oxygen
- D. Temperature
- C. Water

**Which of the following is a nutrient-rich tissue in seeds?**

- A. Seed Coat
- C. Radicle
- D. Plumule
- C. Endosperm ✓**

**What is the role of cotyledons in seed germination?**

- A. Protect the seed
- C. Absorb water
- D. Provide oxygen
- C. Store food ✓**

**Which factors can affect the rate of seed germination? (Select all that apply)**

- A. Seed viability ✓**
- C. Soil pH ✓**
- D. Wind speed
- C. Seed age ✓**

**What are the functions of the endosperm in a seed? (Select all that apply)**

- A. Protection
- C. Photosynthesis
- D. Support for the embryo ✓**
- C. Nutrient storage ✓**

**What type of germination involves cotyledons remaining below the soil?**

- A. Epigeal
- C. Aerial
- D. Subterranean
- C. Hypogeal ✓**

**Which factor can cause seed dormancy?**

- A. Excess water
- C. Hard seed coat ✓**

- D. Optimal temperature
- C. Abundant light

**Which parts of the seed are involved in the initial growth during germination? (Select all that apply)**

- A. Radicle ✓**
- C. Seed Coat
- D. Cotyledons ✓**
- C. Plumule ✓**

**Which of the following are necessary conditions for seed germination? (Select all that apply)**

- A. Water ✓**
- C. Light
- D. Temperature ✓**
- C. Oxygen ✓**

**Which environmental factors can lead to seed dormancy? (Select all that apply)**

- A. Low temperature ✓**
- C. High humidity
- D. Lack of oxygen ✓**
- C. Presence of growth inhibitors ✓**

**What are characteristics of epigeal germination? (Select all that apply)**

- A. Cotyledons above soil ✓**
- C. Cotyledons below soil
- D. Rapid initial growth ✓**
- C. Requires more light ✓**