

1.  What role do insects play in the fertilization process?

- a. They transport seeds from trees to the ground
- b. They collect nectar from the interior parts of plants
- c. They deliver pollen from the stamens of plants to the ovaries of other plants
- d. They eat fruit, exposing the seeds so that they can sprout and grow

2. Under the right conditions, a seed can germinate in the ground. What is the best synonym for "germinate?"

- a. Sprout
- b. Die
- c. Travel
- d. Divide

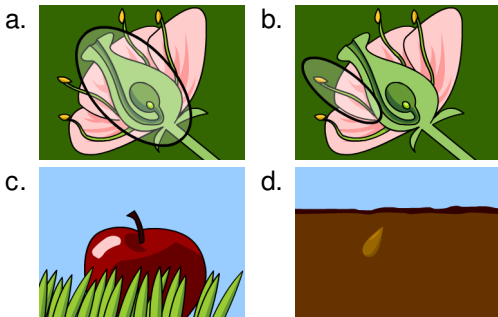
3. Pollen is most similar to which types of human cells?

- a. White blood cells
- b. Sperm cells
- c. Egg cells
- d. Red blood cells

4. Place the following events in sequence: A) A plant's ovary begins growing larger and fleshier; B) The seed inside a plant begins to grow; C) Pollen fertilizes a plant's egg

- a. B, C, A
- b. C, A, B
- c. A, B, C
- d. C, B, A

5. Which part of a plant contains male sex cells?



6. Why do seeds have tough, protective coverings? Choose the best answer.

- a. So they can travel long distances without getting damaged.
- b. So they can survive the fall from a tree to the ground.
- c. So they can be easily digested by animals.
- d. To serve as camouflage.

7. What might happen if a vascular plant's xylem was damaged?

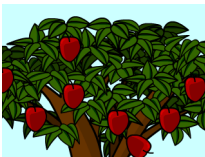
- a. The plant could no longer undergo photosynthesis.
- b. The plant would no longer have leaves.
- c. The plant would not be able to receive water and nutrients from the soil.
- d. The plant would no longer have flowers.

8. What is the difference between annuals and perennials?

- a. Annuals produce flowers, perennials do not
- b. Annuals are very large, perennials are very small
- c. Annuals use xylem to transport nutrients, perennials use phloem to transport nutrients
- d. Perennials live for many growing seasons, annuals usually only live for one or two growing seasons

9. What does a new seed need to grow?

- a. Dark, cold temperatures, nitrogen, and ice
- b. Light, water, nutrients, carbon dioxide, and warm temperatures
- c. A spot right next to its parent plant
- d. Extra pollen from its parent plant

10.  A fruit is another name for what part of a plant?

- a. The pistil
- b. The stamen
- c. The seed
- d. The ovary