

Organismal Biology Quiz 3

Name:

Class Time:

1. In angiosperms, the gametophyte generation is represented by the
 - A. anthers
 - B. ovaries
 - C. pollen grains
 - D. pollen grains and embryo sacs
2. Flower parts are born on the tip of a stalk. The stalk is called the
 - A. peduncle
 - B. calyx
 - C. filament
 - D. stigma
3. The union of gametes is called
 - A. fertilization
 - B. fission
 - C. meiosis
 - D. fusion
4. The diploid portion of a plant life cycle is known as the
 - A. parental generation
 - B. sporophyte generation
 - C. daughter generation
 - D. gametophyte generation
5. The female plant structure on which a pollen grain will land is the:
 - A. style
 - B. pistil
 - C. stigma
 - D. anther
6. The structure in which you would find microsporocytes is called
 - A. pollen grains
 - B. anther sacs
 - C. ovules
 - D. ovaries

7. Which statement about the megasporocyte is true?
- A. It undergoes meiosis to produce three haploid cells.
 - B. It is a diploid cell located within an ovule.**
 - C. It divides mitotically to form a male gametophyte.
 - D. It plays an important role in cross-pollination.
8. Which of the following fruits represent a berry?
- A. cherries
 - B. peaches
 - C. acorns
 - D. grapes**
9. Gymnosperms are uniquely characterized by
- A. flowers
 - B. naked seeds**
 - C. pollen grains
 - D. embryos
10. The scales on pine cones are modified leaves.
- A. True**
 - B. False