

CHAPTER REVIEW

Chapter 13

Reproduction

I. Vocabulary Review

Circle the word or phrase that does not belong.

1. microscopic, sperm, testis, yolk-filled, meiosis
2. ovulation, menstruation, mitosis, eggs, ovary
3. pistil, egg, stamen, stigma, ovary
4. petals, mitosis, body cells, sepals, fertilization
5. pollen, anther, pistil, sperm, meiosis
6. sex cells, body cells, egg, sperm, meiosis

II. Concept Review

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- _____ 7. The union of a plant egg and sperm which takes place within the pistil is called pollination.
- _____ 8. Internal fertilization occurs within the female's body.
- _____ 9. Meiosis occurs in body cells.
- _____ 10. Only one sperm is needed to fertilize an egg.
- _____ 11. Mitosis begins in a cell in the reproductive organs of an organism.

Answer the following questions in phrases or complete sentences.

12. In humans, when is an egg released, and when can it be fertilized? _____

13. In humans, does meiosis begin at the same time for both males and females? Where does it take place? _____

Chapter Review 13 (continued)

14. What is the relationship between the number of chromosomes an organism has and the complexity of the organism? Would your answer be different if you considered the number of chromosomes per sex cell? _____

15. What is the purpose of the menstrual cycle? What happens if fertilization does not occur?

III. Skills/Process Review

Use Figure 1 to answer the following questions.

16. In what labeled structure(s) is pollen produced? _____

17. In what labeled structure(s) are sex cells formed? _____

18. In what labeled structure(s) does fertilization occur? _____

19. Describe the purpose of structure c.

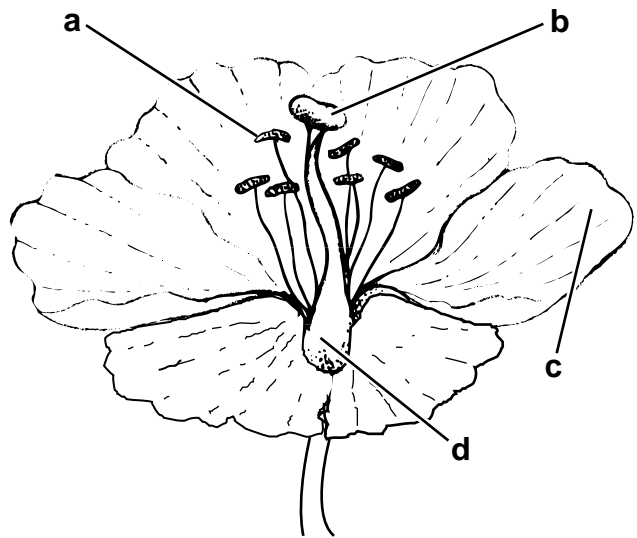


FIGURE 1

IV. EYV Review

20. **How It Works: Adaptations for Pollination** How can scientists use the feeding habits of birds and insects to make inferences about an organism's sense of smell and sight? _____
