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**DIRECTED READING CHAPTER 13 SECTION 1**

**Plant Processes**

***Strange but True! (p. 298)***

1. How do wasps act as a natural pesticide for corn plants?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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***Section 1: The Reproduction of Flowering Plants (p. 300)***

2. Which of the following statements are true of flowering plants? (Circle all that apply.)

a. Fertilization takes place within the flower.

b. They produce seeds in fruit.

c. They use flowers to reproduce asexually.

d. They are the largest group of plants in the world.

***How Does Fertilization Occur? (p. 300)***

3. Flowers can have both male and female reproductive structures.

True or False? (circle one.)

4. Number the following steps of flower fertilizatin in the order of their occurrence by writing the appropriate number in the space provided.

\_\_\_\_\_ Pollen lands on the stigma.

\_\_\_\_\_ A sperm cell fuses with an egg in the ovule.

\_\_\_\_\_ A pollen tube grows down through the style to the ovary.

*Use Figure 1 to answer the following questions.*

5. Each ovule contains an egg. True or False? (circle one)

6. The ovary contains pollen. True or False? (circle one)

***From Flower to Fruit (p. 301)***

7. The ovule becomes a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ after fertilization.

***Familiar Fruits (p. 302)***

8. A fruit, which protects and holds the seeds, develops from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_

of a flower.

***Seeds Become New Plants (p. 302)***

9. The root of the word *dormant* means “*to sleep*.” Why is this word used to describe many seeds?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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10. Which of the following are minimum requirements needed for seeds to sprout? (Circle all that apply.)

a. water c. oxygen

b. sunlight d. a suitable temperature

***Other Methods of Reproduction (p. 303)***

11. Can a strawberry plant, like the one shown in Figure 4, reproduce without flowers? Explain.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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