Chapter 24 **Reproduction in Plants,** *continued*

Reinforcement and Study Guide

Section 24.3 The Life Cycle of a Flowering Plant

In your textbook, read about the life cycle of a flowering plant.

For each item in Column A, write the letter of the matching item from Column B.

Column A		Column B
_____	**1.** Two nuclei in one cell at the center of the embryo sac	**a.** dormancy
_____	**2.** A process in which one sperm fertilizes the egg and the other sperm joins with the central cell	**b.** double fertilization
_____	**3.** Food-storing tissue that develops from the triploid central cell and supports the development of the embryo	**c.** endosperm
_____	**4.** A period of inactivity in which seeds of some plant species remain until conditions are favorable for growth and development	**d.** germination
_____	**5.** The beginning of the development of the embryo into a new plant	**e.** hypocotyl
_____	**6.** This embryonic root is the first part of the embryo to appear from the seed	**f.** polar nuclei
_____	**7.** The portion of the stem near the seed	**g.** radicle

Answer the following questions.

8. How do anthophytes attract animal pollinators?

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9. How do seeds form after fertilization takes place?

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10. Name three ways seeds are dispersed.

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