

Section 34–2 Patterns of Behavior (pages 878–882)



TEKS FOCUS: 7B Natural selection and behavior

This section explains how environmental changes affect animal behavior. It also tells how behavior patterns, such as courtship and social behavior, increase an animal’s evolutionary fitness.

Behavioral Cycles (page 878)

Match the behavioral cycle with its description.

Behavioral Cycle	Description
_____ 1. Dormancy	a. A sleeplike state that allows an animal to survive periods when food or other resources may not be available
_____ 2. Migration	b. Behavioral cycles that occur in daily patterns, such as sleeping at night and attending school during the day
_____ 3. Circadian rhythms	c. The periodic movement from one place to another and then back again to take advantage of favorable environmental conditions

Courtship (page 879)

4. Circle the letter of each sentence that is true about courtship.
 - a. Courtship behavior helps animals identify healthy mates.
 - b. In courtship, an individual sends out stimuli to attract a member of the opposite sex.
 - c. Fireflies have an elaborate dance to indicate their readiness to mate.
 - d. Courtship rituals always involve a single behavior.

Social Behavior (page 880)

5. Is the following sentence true or false? Courtship is an example of a social behavior.

6. A group of related animals of the same species that interact closely and often cooperate with one another is called a(an) _____.
7. What are the advantages of animal societies? _____

8. How does helping a relative survive improve an individual’s evolutionary fitness?

Competition and Aggression (page 881)

9. What is a territory? _____

10. Circle the letter of each resource that animals need to survive and reproduce.
a. odors b. mates c. nesting sites d. water
11. When does competition occur? _____

12. A threatening behavior that one animal uses to gain control over another is _____.

Communication (pages 881–882)

13. What is communication? _____

14. Is the following sentence true or false? Animals with poor eyesight often use visual signals involving movement and color. _____
15. Some animals communicate using _____, chemical messengers that affect the behavior of other individuals of the same species.
16. Is the following sentence true or false? Some animals that use sound to communicate, such as dolphins, might live in places where vision is not very useful. _____