

Chapter 34 Animal Behavior**Section 34–1 Elements of Behavior** (pages 871–876)

TEKS FOCUS: 3C Research and scientific thought; 7B Natural selection and behavior;
TEKS SUPPORT: 10B Interrelationships of organ systems

This section explains what produces behavior in animals. It also describes innate behavior and the major types of learning.

Stimulus and Response (pages 871–872)

1. How do biologists define behavior? _____

2. Behaviors are usually performed when an animal reacts to a(an) _____.
3. What is a response? _____

4. Circle the letter of each response.
a. alarm ringing c. answering the phone
b. hunger pangs d. swimming toward moving prey
5. Circle the letter of each stimulus.
a. light b. sound c. heat d. odors
6. Is the following sentence true or false? All animals can detect all types of stimuli.

7. What body systems interact to produce a behavior in response to a stimulus?

8. Is the following sentence true or false? Animals with more complex nervous systems can respond to stimuli with more complicated and precise behaviors. _____

Behavior and Evolution (page 872)

9. Is the following sentence true or false? Animal behaviors are not influenced by genes.

10. Explain how natural selection works in the evolution of behaviors in a population.

Section 34 Elements Of Behavior Workbook Answers

**Ruth Ballweg, Darwin L. Brown, Daniel
T. Vetrosky**



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