

Name \_\_\_\_\_ Date \_\_\_\_\_

**AP Biology**

**RAVEN CHAPTER 55 GUIDED NOTES: BEHAVIORAL BIOLOGY**

1. Define the term behavior.

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2. Distinguish between proximate causation and ultimate causation of behavior.  
Give an example of the two ways of explaining an animal's behavior.

a. proximate causation

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b. ultimate causation

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3. Behaviors can be organized in two distinct categories: innate vs. learned.  
Discuss the distinction.

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4. Describe an example of a gene controlling behavior

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5. Describe the following behaviors:

a. Habituation

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b. Associative Learning

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c. Classical (Pavlovian) conditioning

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d. Operant conditioning

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e. Imprinting

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6. Explain the role that critical period can have in learning of behaviors. Give an example.

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7. Distinguish between taxis and kinesis. Give examples.

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8. Give a brief overview of how animals orient and navigate during migrations.

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9. What are the costs and what are the benefits of territoriality?

a. costs

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b. benefits

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14. Why is altruism initially baffling to an evolutionary biologist?

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