

# Chapter Review

## The Process of Evolution

CHAPTER 5

### Part A. Vocabulary Review

**Directions:** *Unscramble the letters to form the correct word for each definition.*

- \_\_\_\_\_ 1. tenivuloo—change in inherited traits over time
- \_\_\_\_\_ 2. noitaviar—a difference in an inherited trait that may eventually lead to a new species
- \_\_\_\_\_ 3. centxti—the elimination of all individuals in a species
- \_\_\_\_\_ 4. padnotiata—inherited trait that increases a species' chance of surviving and reproducing in a particular environment
- \_\_\_\_\_ 5. crimyim—when one species looks or behaves like another
- \_\_\_\_\_ 6. railastunt—someone who studies the natural world
- \_\_\_\_\_ 7. flumegacao—blending in with the surrounding environment
- \_\_\_\_\_ 8. louptionap—the number of organisms of one species that occupies an area
- \_\_\_\_\_ 9. otenergain—a group of organisms that represent one step in a line from an ancestor
- \_\_\_\_\_ 10. deathrente—when the numbers of a species decline so much that there is little genetic variation

**Directions:** *Compare and contrast each of the following pairs of terms.*

11. natural selection, selective breeding

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12. behavioral adaptation, structural adaptation

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## Part B. Content Review

**Directions:** *Order the four steps of Darwin's process of natural selection below and then describe the importance of each step.*

inherited variation

natural selection

overproduction

variation

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_

**Directions:** *Respond to each statement using complete sentences.*

5. **Infer** how Darwin's observation of Galápagos tortoises and finches helped him develop the theory of evolution by natural selection.

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\_\_\_\_\_

6. **Speculate** about how people might misinterpret the term "adaptation."

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\_\_\_\_\_

7. **Present** one example of behavioral adaptation and one example of structural adaptation in organisms native to your area.

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\_\_\_\_\_

8. **Develop** a plan to reduce the extinction of species, using what you have learned about the causes of extinction.

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