

Chapter Test **A** The Process of Evolution

Part A. Multiple Choice

Directions: *In the space at the left, write the letter of the term, phrase, or sentence that correctly answers each question.*

- _____ 1. Who was one of the first people to write about evolution?
 A. Beagle
 B. Darwin
 C. Galápagos
 D. Rutherford
- _____ 2. Which birds did Darwin observe on the Galápagos Islands?
 A. finches
 B. toucans
 C. vultures
 D. sparrows
- _____ 3. Which is an example of camouflage?
 A. A dog pants to cool off.
 B. A wolf has movable ears.
 C. A snow hare has white fur.
 D. A bird nests in the same place every year.
- _____ 4. Which is an example of a threatened species?
 A. foxes
 B. pigeons
 C. cheetahs
 D. dinosaurs

Part B. Matching

Directions: *Write the letter of the correct term on the line next to its description.*

Matching Set 1

- | | |
|--|---|
| _____ 1. process by which individuals with traits that better suit their specific environments are more likely to successfully survive and reproduce than those individuals without these traits | A. evolution
B. naturalist
C. natural selection |
| _____ 2. person who studies the natural world, including plants, rock formations, and animals | |
| _____ 3. change over time | |

Matching Set 2

- _____ 4. when all the individuals of a particular species are wiped out by the same environmental change
- _____ 5. aspects of the physical body that help organisms survive and reproduce
- _____ 6. blending in with the surrounding environment
- D. extinction
- E. camouflage
- F. structural adaptations

Part C. Completing a Table

Directions: Use the following terms to complete the table by listing some of the possible causes for extinction: competition with exotic species, inability to adapt, loss of genetic diversity, loss of habitat.

Cause	Example
1.	Trees are cut down for building at a faster rate than they can grow and be replaced. Some animals that build nests in these trees no longer have a nesting area.
2.	There are limited cheetahs remaining in the wild, so fewer are available to breed.
3.	An area has a severe drought that lasts for many years. Some plant species are unable to survive without sufficient rainfall.
4.	People plant a new flower species in an area. The newly introduced plant species grows at a very fast rate and leaves few nutrients for the native plants.

Part D. Short Answer

Directions: Respond to each statement in the space provided.

1. Cite the observation that led Darwin to believe that some of the animals and plants on the Galápagos islands originally came from South America.

2. **Define** selective breeding, and give an example.

3. **List** the four steps of natural selection in order.

Part E. Concept Application

Directions: *Respond to each statement in the space provided.*

1. **Name** an example of an adaptation.

2. **Explain** why camouflage is an adaptation.

3. **List** four causes of extinction.
