

Review and Reinforce

Darwin's Theory

Understanding Main Ideas

Answer the following questions on a separate sheet of paper.

1. Who was Charles Darwin, and what did he do on the *Beagle's* five-year voyage around the world?
2. What is evolution?
3. When members of a species compete, what do they compete for?
4. What happens when species overproduce offspring?
5. How do helpful variations accumulate in a species over time?

Building Vocabulary

Fill in the blank to complete each statement.

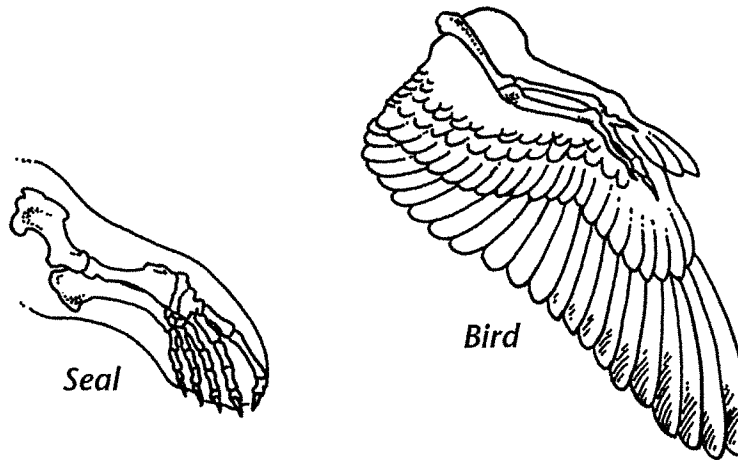
6. A(n) _____ is a group of similar organisms that can mate with each other and produce fertile offspring.
7. A(n) _____ is a trait that helps an organism survive and reproduce.
8. A scientific _____ is a well-tested concept that explains a wide range of observations.
9. The process by which individuals that are better adapted to their environment are more likely to survive and reproduce is called _____.
10. That some newly hatched turtles can swim faster than others of the same species is evidence of _____ within a species.

Review and Reinforce

Evidence of Evolution

Understanding Main Ideas

Use the figures below to answer Questions 1–3.



1. Compare and contrast the bones of a bird's wing and a seal's flipper. _____

2. What can scientists infer from the similarities between these two structures? _____

3. Describe how DNA evidence might be used to confirm scientists' conclusions about any relationship between birds and seals. _____

Building Vocabulary

Write a definition for the term on the lines below.

4. homologous structures

Review and Reinforce

Rate of Change

Understanding Main Ideas

Answer the following questions on the lines below.

1. How do new species form?

2. What are some examples of natural barriers than can separate group members?

3. What evidence in the fossil record supports gradualism?

Building Vocabulary

Write a definition for each of these terms on the lines below.

4. gradualism

5. punctuated equilibrium
