

Evolution

Name:

Darwin's Theory of Natural Selection

Period:

Use Chapter 10, Section 2 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them.

evolution fossils genes natural selection reproduce traits

Darwin's Theory of Natural Selection (p.310)

1. Darwin thought about evolution for about _____ years before he wrote a book about it.
2. In his book, Darwin suggested that _____ happens because of natural selection.
3. _____ is the process by which better adapted organisms survive and reproduce.

Look at Figure 6 and read about each step. Then, match the correct description to the correct step in natural selection. Write the letter in the space provided.

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|--|----------------------------|
| _____ 4. when animals have lots of offspring | a. successful reproduction |
| _____ 5. when no two offspring are exactly the same | b. inherited variation |
| _____ 6. when many offspring die before they can reproduce | c. struggle to survive |
| _____ 7. when the best adapted offspring survive and reproduce | d. overproduction |

Genetics and Evolution (p.311)

8. Darwin did not know *HOW* organisms inherited _____, but understood that they did.
- _____ 9. Which of the following results when genetic information is passed from parent to offspring?
 - a. natural selection
 - b. overproduction
 - c. limitation of survivors
 - d. variation among organisms
10. Natural selection happens when organisms with genes that help them survive and _____ more than organisms that lack those genes.
11. Scientists learn more about natural selection and evolution when new _____ are discovered and when they get new information about _____.

