

Evolution

Name:

Darwin's Theory of Natural Selection

Period:

Use Chapter 10, Section 2 of your textbook to answer the questions below.

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 _____.

