

Evolution

Name:

Ancestors and Whales

Period:

Use Chapter 10, Section 1 of your textbook to answer the questions below.

Evidence of Ancestry (p.301)

1. The fossil record gives us information about the _____ in which species have existed.
2. Scientists think that all living species descended from common _____.

Drawing Connections

- _____ 3. How do scientists show their ideas about how species are related?
 - a. with a diagram with branches
 - b. with a diagram with circles
 - c. with a horizontal timeline
 - d. with a bar graph
4. Branching diagrams show the _____ between species.
- _____ 5. On a branching diagram, where are the oldest species found?
 - a. on the top
 - b. on the bottom
 - c. on the left
 - d. on the right
6. Scientists think some types of hoofed mammals and whales have a _____ ancestor.
- _____ 7. Look at Figure 4. Which animals share the closest common ancestor with whales?
 - a. camels and llamas
 - b. pigs and peccaries
 - c. hoofed grazing mammals
 - d. hippopotamuses
8. When scientists get more information, they reexamine how all organisms are _____.

Examining Organisms (p.302)

9. Studying an organism carefully can give scientists clues about its _____.
10. Whales are _____, not fish.

Case Study: Evolution of the Whale

11. Whales had an ancient ancestor that lived on _____.
12. Whales had another, more recent ancestor that lived both on land and in _____.

Walking Whales

13. Whales do not have hind _____ anymore, but they still have tiny hip bones.



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