

Continental Drift

Name:

Period:

Use Chapter 9, Section 2 of your textbook to answer the questions below.

Continental Drift (p.272)

1. _____ is the term that describes how continents have moved throughout Earth's history.
2. _____ and _____ are carried along when a continent moves across Earth's surface.

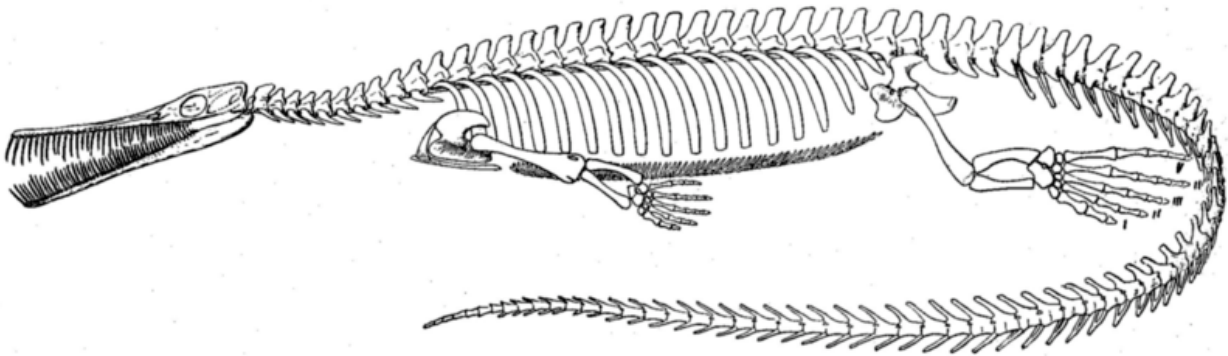
Geologic Evidence of Continental Drift (p.272)

3. What evidence has been found showing that India was once covered with glaciers?
a. ice-scratched rocks b. ancient forests c. polar bear remains d. fossilized ice
4. What did India, South America, and Africa form about 280 million years ago?
a. a single landmass b. a pair of landmasses c. a single ocean d. a wide valley

Fossil Evidence of Continental Drift (p.272)

5. *Mesosaurus* fossils tell us that two continents were once joined. What are these continents?

_____ and _____



History of Continental Drift (p.273)

6. Geologists are able to figure out that Earth's geography has _____ over time.
7. About 245 million years ago, a giant continent called _____ was formed by all of the current continents.
8. When Pangea began to separate, new _____ formed between the new continents.
9. Plate movements have affected the _____ of populations of species.

turn over for more questions

Mesosaurus reconstruction from the book: "Water Reptiles of the Past and Present", University of Chicago Press, Chicago, 1914.

Work: 8 points

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Changes in Climate (p.273)

- _____ 10. What happened to the climates of continents as they moved toward the equator?
- a. They became warmer.
 - b. They became colder.
 - c. They became drier.
 - d. They did not change.
- _____ 11. What happened to Antarctica as the other continents moved away?
- a. Its icecap melted.
 - b. An icecap formed.
 - c. Volcanoes erupted.
 - d. Mountains formed.

Changes in Life (p.273)

- _____ 12. What happened to living things when Pangaea split into separate continents?
- a. They lived on just one continent.
 - b. They disappeared from all continents.
 - c. They moved to separate continents.
 - d. They froze on each continent.
- _____ 13. What happened to living things when the environments on continents changed?
- a. They all disappeared.
 - b. They all moved to the sea.
 - c. They stayed the same.
 - d. They changed.