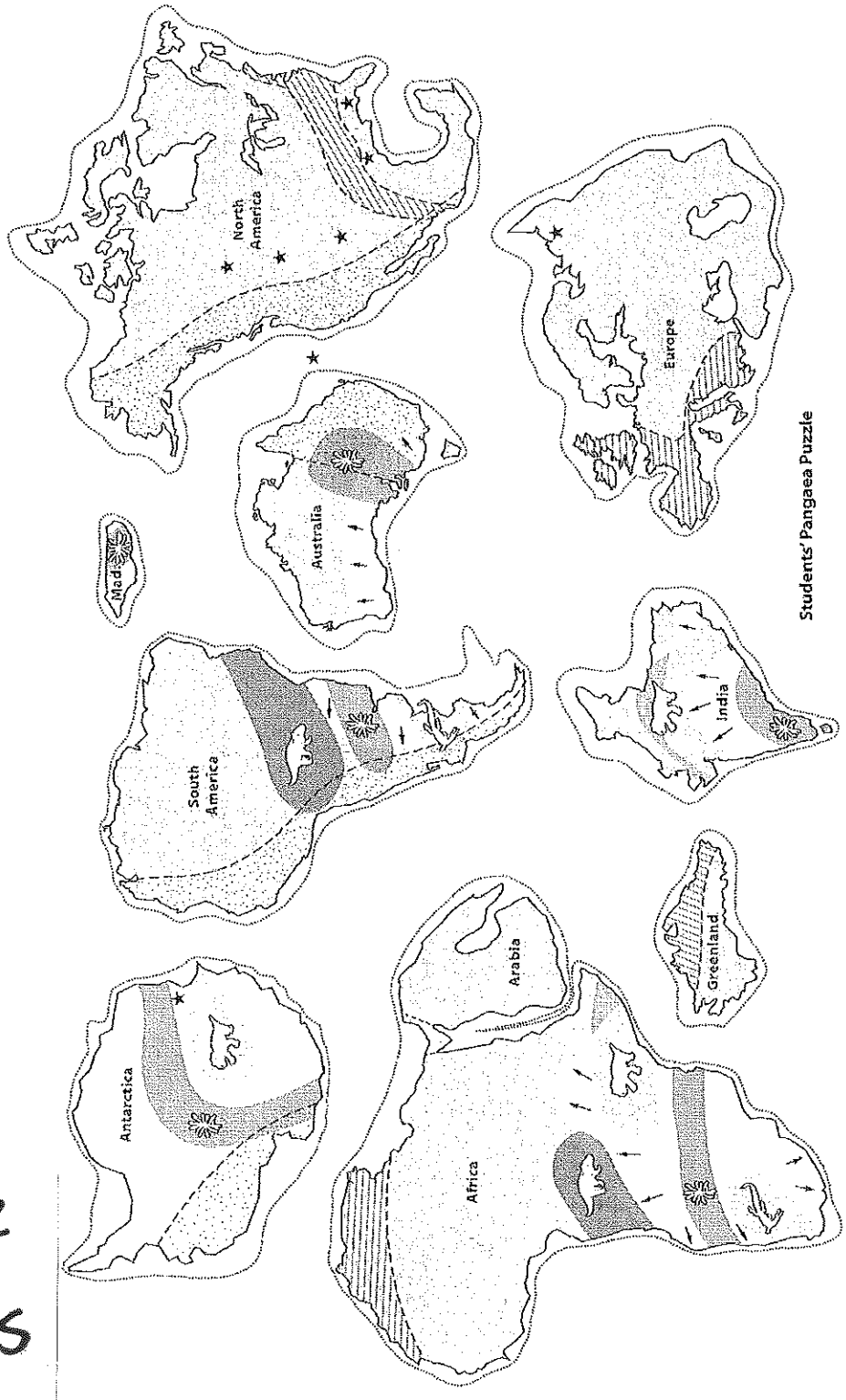
DATE: NAME: CLASS:

CHAPTER 12 **Piecing Together Pangaea** BLM 4-34

Goal • Use this page to complete Conduct an Investigation 12-1C, Piecing Together Pangaea.



Students' Pangaea Puzzle

Sc10 Ch12
Handouts

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DATE: NAME: CLASS:

CHAPTER 12 **Evidence for Continental Drift Review** BLM 4-33

Goal • Use this page to review evidence for continental drift.

1. What is the best explanation for the fact that coal deposits have been found in Antarctica?
   A. The climate of Earth has cooled.
   B. A lowering of sea level changed Antarctica to a swamp.
   C. Antarctica was once nearer the equator.
   D. Early explorers stored coal.

2. Fossils of Mesosaurus, a small freshwater mammal, are found in South America and Africa. Why is Mesosaurus useful evidence for continental drift?
   A. Mesosaurus lived all over the world.
   B. Mesosaurus only lived in warm climates.
   C. Mesosaurus lived in rivers and streams of South America and Africa.
   D. It is unlikely that Mesosaurus could swim thousands of kilometres between continents.

3. Where is the true edge of a continent?
   A. along the oceanic ridge
   B. at the edge of the continental shelf
   C. along the current coastline
   D. in the deepest part of the ocean

4. Why do volcanoes and earthquakes occur at the edges of tectonic plates?

5. Explain how a lava flow can become magnetized.

6. Explain why the crust on either side of the Mid-Atlantic Oceanic Ridge gets gradually older as you move farther away, towards the continents.

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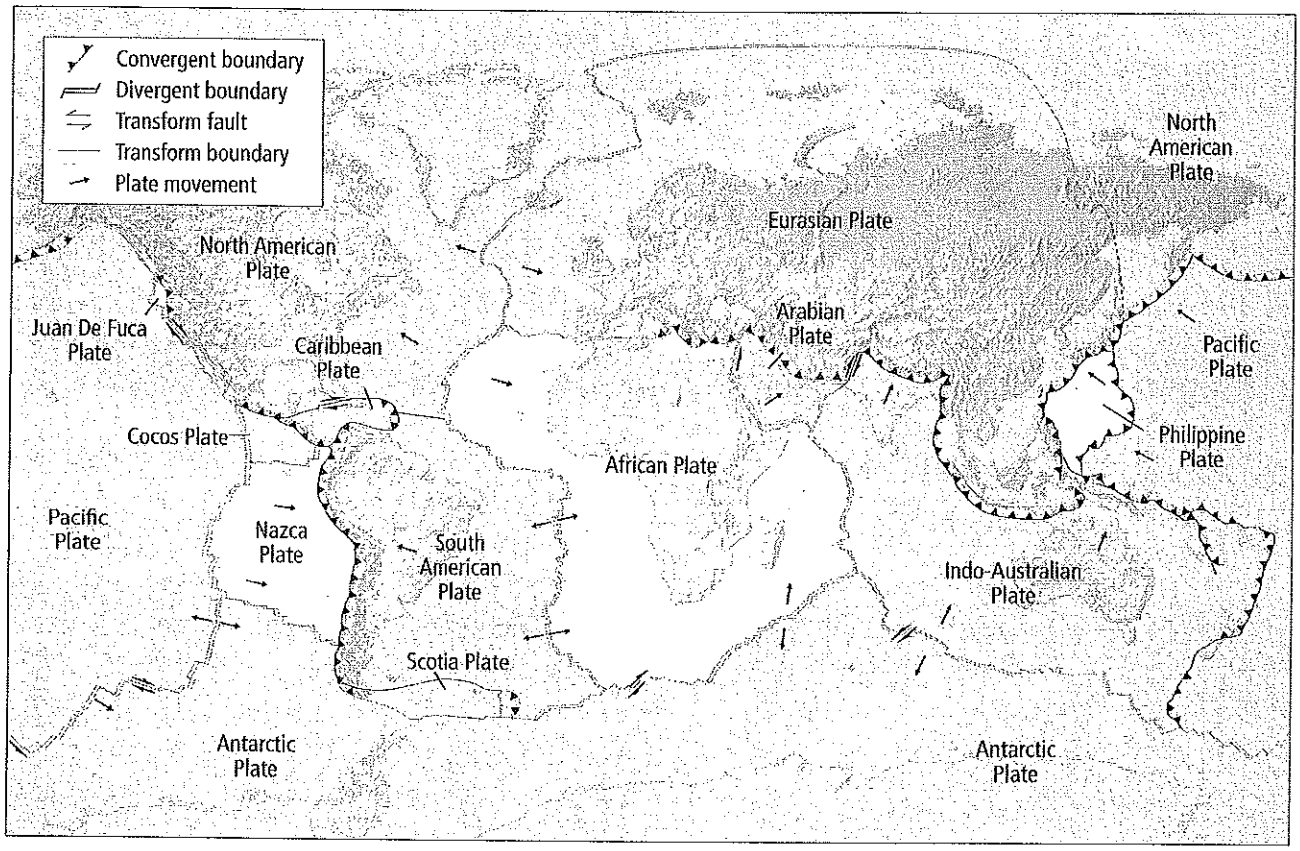
CHAPTER 12

Tectonic Plate Boundaries

BLM 4-35

Goal • Use this page to learn about tectonic plate boundaries.



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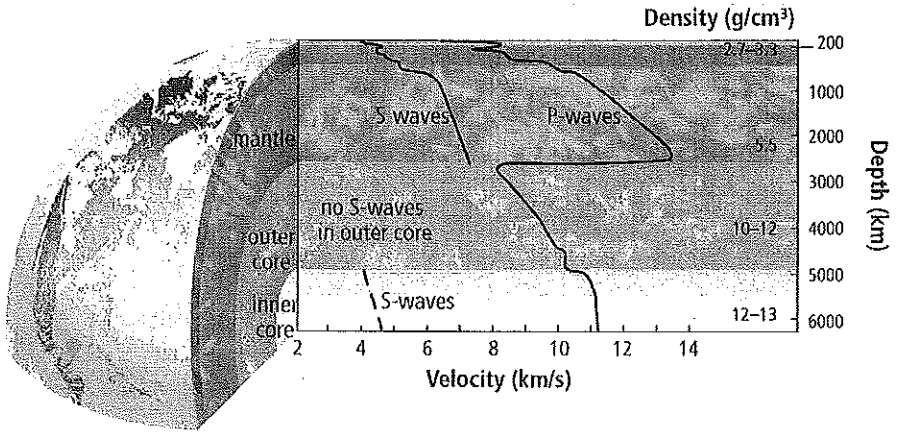
CHAPTER 12

The Path of Seismic Waves

BLM 4-36

Goal • Use this page to learn about the path of seismic waves.



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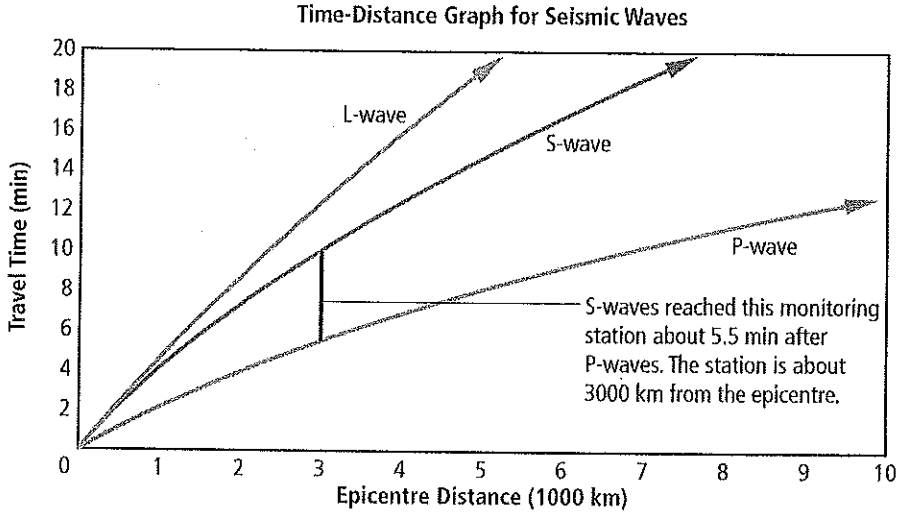
CHAPTER 12

Time-Distance Graph for Seismographs

BLM 4-38

Goal • Use this graph to help you complete Think About It 12-2C, Interpreting Seismograms.



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