

plate tectonics and Earthquakes Practice

Name: _____

Date: _____

1. Which of the following is the best evidence that Earth's continents were once in vastly different positions than they are today?

- A. Penguins are found only in the Southern Hemisphere.
- B. Fossils of tropical plants are found in Antarctica.
- C. Volcanoes encircle the Pacific Ocean.
- D. Major rivers form deltas from continental erosion.

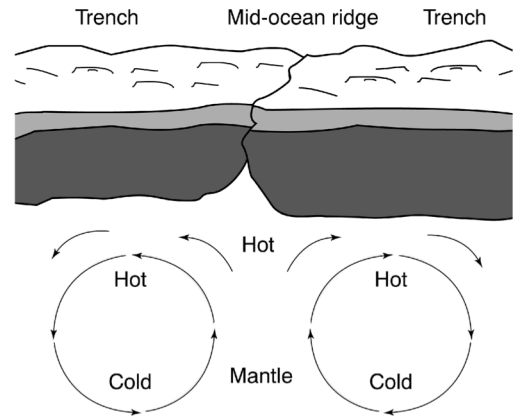
2. Which of the following provides evidence for plate tectonics?

- A. sea-floor topography
- B. ocean currents
- C. Coriolis effect
- D. atmospheric temperatures

3. Earthquake activity in California is primarily caused by

- A. the lowering of aquifer levels.
- B. the interaction of tides with the coast.
- C. mining activity during the nineteenth century.
- D. plates grinding past each other along active faults.

4. Use the diagram below to answer the following question(s).



Based on the diagram, which process explains why less dense, hot magma rises to the surface to displace more dense, cooler magma?

- A. conduction
- B. diffusion
- C. radiation
- D. convection

5. Which of these describes a divergent boundary?

- A. Two continental plates moving away from each other, forming a rift valley
- B. Two oceanic plates rubbing against each other, forming a midocean ridge
- C. Two continental plates colliding, forming a mountain range
- D. Two oceanic plates colliding, forming a volcanic arc

1.
Answer: B
2.
Answer: A
3.
Answer: D
4.
Answer: D
5.
Answer: A