Chapter 17 Geo Questions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_\_\_\_\_

Ch 17.1, page 447

1. What early evidence suggested that Earth’s continents might be moving?
2. How do ancient glacial deposits in Africa, India, Australia, and South America support the idea of continental drift?
3. How did Alfred Wegener use rock and fossil evidence to support his hypothesis?
4. Why was Wegener’s hypothesis rejected by most scientists of the early 1900s?
5. Oil deposits approximately 200 million years old have been discovered in Brazil. Where might geologists find oil deposits of a similar age?

Ch 17.2, page 454

1. How do ocean ridges and deep-sea trenches support the theory of seafloor spreading?
2. Explain how ocean-floor rocks and sediments are evidence of seafloor spreading.
3. Compare and contrast normal magnetic polarity and reversed magnetic polarity.
4. Explain how an isochron map of the ocean floor supports the theory of seafloor spreading.

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1. Explain the theory of plate tectonics.
2. Explain what happens at the three types of plate boundaries. Sketch each.
3. What geologic features are associated with each type of convergent boundary?
4. Where do transform boundaries most commonly occur?

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