

**Chapter Test (continued)****II. Understanding Concepts**

**Directions:** Answer the following questions on the lines provided.

1. What is the difference between a convergent and a divergent plate boundary?

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2. What happens to warmer material in a convection current?

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3. What observation led Albert Wegener to develop the hypothesis of continental drift?

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4. Which part of Earth's structure is about 100 km thick?

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5. How were the Andes mountain range, the Himalayas, and the islands of Japan formed alike?

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6. How were the Andes mountain range, the Himalayas, and the islands of Japan formed differently?

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**Skill: Recognizing Cause and Effect**

7. What causes new material to form at a mid-ocean ridge on the ocean floor?

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**Chapter Test (continued)****III. Applying Concepts**

**Directions:** Answer the following questions on the lines provided.

1. Why are there few volcanoes in the Himalayas?

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2. Glacial deposits often form at a high latitude near the poles. Explain why glacial deposits have been found in Africa.

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3. Why would the fossil of an ocean fish found on two different continents NOT be good evidence of continental drift?

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**IV. Writing Skills**

**Directions:** Answer the following questions using complete sentences.

1. Explain how research from the *Glomar Challenger* helped scientists support the theory of seafloor spreading.

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2. Since new crust is constantly being added, why does Earth's surface not keep expanding?

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