

2. Plate Boundaries

1. Which of the following are true of subduction zones:
 - A. They are a type of divergent plate boundary
 - B. The Mariana trench was formed by a subduction zone
 - C. They are associated with gentle and slow-moving volcanic eruptions
 - D. They only occur between oceanic and continental plates

2. Which of the following statements are true?
 - A. Mid ocean ridges occur at convergent plate boundaries
 - B. The Mohorovičić discontinuity is the boundary between Earth's mantle and outer core
 - C. The Himalayas are on the boundary between the Indian and Eurasian plate
 - D. The African plate is the largest major tectonic plate

3. The Andes mountains were formed by:
 - A. A collision between two continental plates
 - B. A subduction zone between an oceanic and a continental plate
 - C. A transform or strike-slip boundary
 - D. A mid-ocean ridge that was later uplifted

4. What geologic process formed the deepest lakes in the world?
 - A. Divergent plate boundary
 - B. Convergent plate boundary
 - C. Transform plate boundary
 - D. Erosion

5. Which of the following statements about hotspots are true?
 - A. Yellowstone National Park was formed by a hotspot
 - B. Hotspots always move at a slow and steady rate
 - C. A hotspot is responsible for the formation of the Hawaiian islands
 - D. The most active volcano in the world is over a hotspot

Answer Key

1. B
2. C
3. B
4. A
5. A, C, D