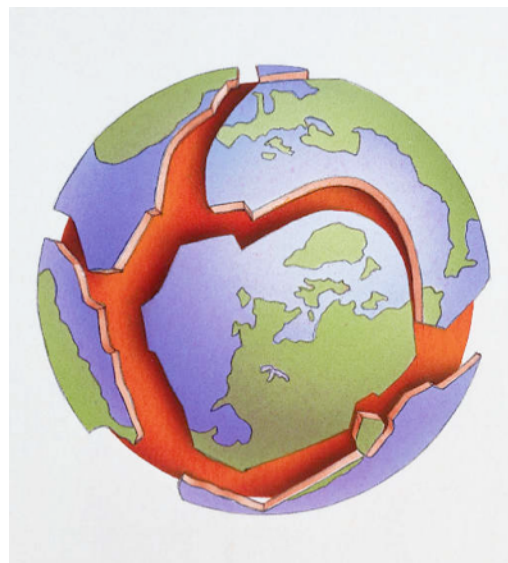


Ring of Fire

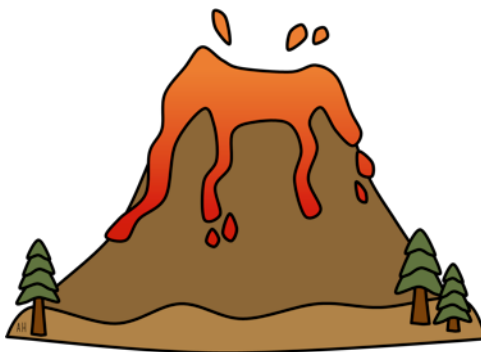
Watch the About.com video for the Ring of Fire. Answer these questions.

1. Why is it called the “Ring of Fire”?
 - a. Many forest fires occur in this circular area.
 - b. Lightning strikes formed a ring-shaped burn.
 - c. Many volcanoes are positioned in a horseshoe-shaped loop.
 - d. The largest volcano in the world made a giant ring filled with fiery lava.
2. What amount of the world’s active and dormant volcanoes are found in the Ring of Fire?
 - a. 50%
 - b. 75%
 - c. 10%
 - d. 100%
3. What amount of the world’s total earthquakes occur in the Ring of Fire?
 - a. 0%
 - b. 10%
 - c. 50%
 - d. 90%
4. What are tectonic plates?
 - a. wide, flat plains
 - b. giant mountains
 - c. glaciers that are floating on ocean water
 - d. large slabs of rock on which the surface of the earth sits
5. True or False? Tectonic plates move and shift.
 - a. True
 - b. False
6. What is a “boundary zone”?
 - a. where tectonic plates meet
 - b. the borders between countries
 - c. an area about 50 miles out into the ocean claimed by the country that it touches
 - d. the liquid rock on which tectonic plates float
7. Which type of zone has tectonic plates grinding past one another?
 - a. Convergent Boundaries
 - b. Divergent Boundaries
 - c. Transform Boundaries
 - d. Subduction Zones



Ring of Fire

8. Which type of zone has tectonic plates move towards each other?
- Convergent Boundaries
 - Divergent Boundaries
 - Transform Boundaries
 - Subduction Zones
9. Which type of zone has tectonic plates slide apart from one another?
- Convergent Boundaries
 - Divergent Boundaries
 - Transform Boundaries
 - Subduction Zones
10. Where are volcanoes most likely?
- Convergent Boundaries
 - Divergent Boundaries
 - Transform Boundaries
 - Subduction Zones



11. What is a subduction zone?
- a place where two tectonic plates crash into each other and both move upward, forming mountain ranges
 - a place where one tectonic plate slides under another tectonic plate
 - a place where two tectonic plates separate from one another to form a deep trench
 - a place where glaciers are melted by volcanic eruptions
12. What are two famous volcanoes in the Ring of Fire?
- Mt. McKinley and Mt. Everest
 - Mt. Ararat and Mt. Pinatubo
 - Pikes Peak and Mt. Kilimanjaro
 - Mt. St. Helens and Mt. Fuji

View the slides from National Geographic about the Ring of Fire and answer these questions.

13. Using the maps, decide True or False: The Ring of Fire touches only one continent.
- True
 - False
14. Which famous transform boundary is part of the Ring of Fire and stretches along most of the southern coast of California?
- North American Fault
 - San Andreas Fault
 - It's Your Fault
 - California Fault

