

# Continents Adrift: An Introduction to Continental Drift and Plate Tectonics

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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1. **A transform boundary exists where one of the Earths plates \_\_\_\_\_.**

(Check only one answer)

- slides past another plate
- crashes into another plate
- moves away from another plate
- dives beneath another plate

2. **Which of these is NOT used as evidence that Earths surface consists of plates that are in continuous motion?**

(Check only one answer)

- earthquakes
- blizzards
- mountains
- volcanoes

3. **What did scientist Alfred Wegener call the large supercontinent that once existed?**

(Check only one answer)

- Eurasia
- Panamerica
- Pangea
- Ring of Fire

4. **Which of these pieces of evidence did Wegener use to support his theory of continental drift?**

(Check only one answer)

- subduction zones
- divergent boundaries
- seafloor spreading
- fossils from different continents

5. **Seafloor spreading explains why \_\_\_\_\_.**

(Check only one answer)

- materials circulate within the Earths mantle
- the ocean has high and low tides
- one portion of the Earths crusts dives beneath another portion
- the oldest part of the ocean floor is found farthest from the mid-ocean ridge

- 6. Scientists think that tectonic plates can move when \_\_\_\_\_.  
(Check only one answer)**
- materials circulate in the Earth's mantle
  - high tide occurs
  - magma is released from the mid-ocean ridge
  - the lithosphere begins to melt
- 7. The rocky outer layer of the Earth is called the \_\_\_\_\_.  
(Check only one answer)**
- mantle
  - atmosphere
  - hydrosphere
  - lithosphere
- 8. Energy released during an earthquake creates \_\_\_\_\_.  
(Check only one answer)**
- an overheated inner core
  - a mid-ocean ridge
  - an eruption of molten lava
  - a seismic wave
- 9. The Ring of Fire refers to \_\_\_\_\_.  
(Check only one answer)**
- an active erupting volcano
  - the volcanoes surrounding the Pacific Ocean
  - the spreading that takes place on the ocean floor
  - the land once known as Pangea
- 10. Mountains on the Earth's surface form in random locations, with no relation to the Earth's plates.  
(Check only one answer)**
- true
  - false