

Continents Adrift: An Introduction to Continental Drift and Plate Tectonics

Name: _____

Date: _____

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