

1. Where are the newest oceanic crusts located:

**Mid-ocean ridges**

2. Name the ancient continent that contained all of the landmasses.

**Pangaea**

3. According to Wegener, when did the continents originally break apart?

**200 million years ago**

4. The same types of rocks, rock structures, and fossils have been found to exist on many different continents. What theory does this support?

**Continental drift**

5. What is glossopteris?

**A fossil plant that helps support the theory of continental drift**

6. Why does sea floor spreading occur?

**Molten material beneath Earth's crust rises to the surface**

7. What type of currents inside Earth might be a cause of sea floor spreading?

**Convection**

8. As new oceanic crusts form, the older oceanic crust moves \_\_\_\_\_

**Away from the ridge**

9. \_\_\_\_\_ is the theory that continents have moved over time to where they are now.

**Continental drift**

10. True or false: Convection provides matter and energy for plate motion

**True**

11. True or false: The speed of plate movement could be compared to the growth of a fingernail.

**True**

12. Two types of lithosphere are \_\_\_\_\_ and \_\_\_\_\_.

**Continental and oceanic**

13. Matter and energy for plate motion are provided by \_\_\_\_\_.

**Convection**

14. What causes hot, plastic-like rock in the asthenosphere to rise toward Earth's surface?

**Differences in density**

15. Which layer of the Earth can be described as thick, made of granite and gneiss?

**Continental lithosphere**

16. What are the two things that happen when the edges of plates run into, move apart, or scrape past each other?

**Earthquakes and volcanic eruptions**

17. Earth's \_\_\_\_\_ field has reversed itself many times.

**Magnetic**

18. Know the information on the diagram on page 176.