Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr \_\_\_\_\_\_\_\_

**Earthquakes**

**List three pieces of evidence that Wegener used to support his idea that all the continents were joined into one in the past.**

**How does the change in the earth’s magnetic polarity support the idea of sea floor spreading?**

**What is the main source of energy that causes the tectonic plates to move?**

**Earthquakes**

As \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ move, \_\_\_\_\_\_\_\_\_\_ causes the rocks at \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ to stretch or compress. Like a stretched rubber band or a compressed spring, these rocks store \_\_\_\_\_\_\_\_ (\_\_\_\_\_\_\_\_\_\_\_\_\_l energy).

When the rocks break, change shape, or decrease in volume, the \_\_\_\_\_\_\_\_\_\_\_\_\_ energy is suddenly converted to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy and an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occurs.



*A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* measures\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and seismologists use \_\_\_\_\_\_\_\_\_\_\_ waves to study Earth’s internal structure.

This is similar to how a doctor uses \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to look at bone structure.

The majority of earthquakes occur at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Individual earthquakes also occur where there is a \_\_\_\_\_\_\_\_\_\_\_\_\_.

A \_\_\_\_\_\_\_\_\_\_\_\_ is a place in Earth’s crust such as a \_\_\_\_\_\_\_\_\_\_ or a \_\_\_\_\_\_\_\_\_\_\_*plate boundary*.

 

**Earthquakes in the U.S.**

The \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ of the United States experiences frequent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because those regions are near the \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ and a plate boundary. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ United States rarely experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

