Science Test – Chapter 17 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Matching: match each term with the correct definition

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| 1. \_\_\_\_ active volcano | 1. The point from which earthquake waves seem to radiate, situated directly above the true center of the earthquake |
| 1. \_\_\_\_ ash | 1. A fissure or vent in the ground from which steam and hot gases come |
| 1. \_\_\_\_ bomb | 1. A seismic sea wave |
| 1. \_\_\_\_ caldera | 1. A volcano that is built up from smooth lava flows and is spread out with gently sloping flanks |
| 1. \_\_\_\_ cinders | 1. A landform built up by molten rock that has come to the earth’s surface through a vent |
| 1. \_\_\_\_ composite volcano | 1. An open-ended scale for indicating the magnitude of earthquakes |
| 1. \_\_\_\_ crater | 1. A spring that sends a column of hot water and steam into the air at intervals |
| 1. \_\_\_\_ dormant volcano | 1. The average increase in temperature for each kilometer of depth into the ground |
| 1. \_\_\_\_ earthquake | 1. A rough, solidified piece of lave with many small pieces |
| 1. \_\_\_\_ epicenter | 1. The real center of an earthquake generally some distance below the surface |
| 1. \_\_\_\_ extinct volcano | 1. A natural spring from which heated water comes |
| 1. \_\_\_\_ focus | 1. A round depression in the surface of the moon or other astronomical body; a depression at the top of a volcanic cone |
| 1. \_\_\_\_ fumaroles | 1. A mass of lava that congeals in midair |
| 1. \_\_\_\_ geyser | 1. The shock waves caused by the collision of sections of the tectonic plates |
| 1. \_\_\_\_ hot spring | 1. A volcano for which there are no historical records of any eruptions |
| 1. \_\_\_\_ Richter scale | 1. A volcano that has erupted within the last 50 years |
| 1. \_\_\_\_ shield volcano | 1. A volcano that is built up by a combination of cinders and lava flows |
| 1. \_\_\_\_ thermal gradient | 1. A volcano for which there exists a historical record of at least one eruption, but not within the last 50 years |
| 1. \_\_\_\_ tsunami | 1. A large depression at the summit of a volcano formed by the explosion or collapse of the crater |
| 1. \_\_\_\_ volcano | 1. Glassy volcanic fragments smaller than cinders |

True or false: Determine whether each statement is true or false.

1. \_\_\_\_ Tectonic plates are about the size of continents.
2. \_\_\_\_ A thermometer is used to measure earthquakes.
3. \_\_\_\_ L waves are the last to reach at a seismic station.
4. \_\_\_\_ Volcanoes always explode when they erupt.
5. \_\_\_\_ A caldera is larger than a crater.
6. \_\_\_\_ The largest known volcano is Mount St. Helens.
7. \_\_\_\_ Much of the damage from an earthquake comes after the earthquake.

Essay: Describe the destructive powers of earthquakes and their aftereffects.

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Extra Credit: What year did Mount St. Helens erupt? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_