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Chapter 9 Vocabulary Puzzle

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| **Across**  **2.** scientists that study earthquakes.  **5.** cause particles in the ground to move in a push-pull motion similar to a coiled spring  **6.** tiny particles of pulverized volcanic rock and glass.  **9.** the location on Earth's surface directly above the earthquake's focus  **10.** volcanoes that are not associated with plate boundaries.  **12.** these waves originate where rocks first move along the fault, at a location inside Earth  **14.** a vent in Earth's crust through which melted or molten rock flows.  **15.** molten rock that erupts onto Earth's surface.  **16.** measures and records ground motion and can be used to determine the distance seismic waves travel.  **18.** a liquid's resistance to flow.  **19.** they cause particles to move up and down and right angles relative to the direction the wave travels.  **20.** small, steep-sided volcanoes that erupt gas-rich, basaltic lava's. | **Down**  **1.** steep-sided volcanoes that result from explosive eruptions of andesitic and rhyolitic  **3.** cause particles in the ground to move up and down in a rolling motion.  **4.** common along divergent plate boundaries and oceanic hot spots.  **7.** vibrations in the ground that result from movement along breaks in Earth's lithosphere.  **8.** energy that travels as vibrations on and in Earth.  **11.** Molten rock below Earth's surface.  **13.** a break in Earth's lithosphere where one block of rock moves toward, away from, or past each another  **17.** a graphical illustration of seismic waves. |

   earthquake       fault       seismic waves       focus       epicenter       primary waves       secondary waves       surface waves       seismologists       seismometer       seismogram       volacano       magma       lava       hot spots       shield volcanoes       composite volcanoes        cinder cones       volcanic ash       viscosity