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Earthquakes and Volcanoes

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| **Across**  **3.** What are fragments of rock that form during a volcanic eruption?  **4.** What is any activity that includes the movement of magma toward or onto Earth's surface?  **5.** What is the location within Earth along a fault at which the first motion of an earthquake occurs?  **9.** What is a large, circular depression that forms when the magma chamber below a volcano partially empties and causes the ground above to sink?  **15.** What is a movement or trembling of the ground that is caused by a sudden release of energy when rocks along a fault move?  **16.** What is a seismic wave that travels the body of a medium?  **17.** What is an instrument that records vibrations in the ground?  **20.** What is a secondary wave, or shear wave?  **22.** What is the amount of damage caused by an earthquake?  **23.** What is a tracing of earthquake motion that is recorded by a seismograph?  **24.** What describes magma or igneous rock that is rich in feldspar and silica and that is generally light in color?  **25.** What is liquid rock produced under Earth's surface? | **Down**  **1.** What is a vent or fissure in Earth's surface through which magma and gases are expelled?  **2.** What is an area on Earth's surface where no direct seismic waves from a particular earthquake can be detected?  **6.** What is an area along a fault where relatively few earthquakes have occurred recently but where strong earthquakes are known to have occurred in the past?  **7.** What is the sudden return of elastically deformed rock to its underformed shape?  **8.** What is a primary wave, or compression wave?  **10.** What is a region of numerous, closely spaced faults?  **11.** What is a giant ocean wave that forms after a volcanic eruption, submarine, earthquake, or landslide?  **12.** What is the point on Earth's surface directly above an earthquake's starting point, or focus?  **13.** What is magma that flows into Earth's surface?  **14.** What is igneous rock that is rich in magnesium and iron and that is generally dark in color?  **18.** What is a measure of the strength of an earthquake?  **19.** What is a volcanically active area of Earth's surace?  **21.** What is a seismic wave that travels along the surface of an medium and that has a stronger effect near the surface of the medium than it has in the interior? |