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Volcanoes & Earthquakes

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| **Across**  **4.** In geology a seismic wave that travels through the body of a medium  **5.** Liquid rock that forms under earths surface  **8.** The sudden return of elastically deformed rock to its undeformed shape  **13.** Giant pieces of the Earth's thin, outermost layer that move around on top of a layer of plastic rock  **17.**  a giant, fast moving wave that is caused by an earthquake or volcano  **18.** An area on earths surface where no direct seismic waves from a particular earthquake can be detected  **19.** A volcanically active area of earths surface commonly far from a tectonic plate boundary  **20.** A break in the Earth's crust along which blocks of the crust slide relative to one another  **22.**  a seismic wave that causes particles of rock to move in a side-to-side direction  **23.** A vent or fissure in earths surface through which magma and gases are expelled  **24.** A measure of the strength of an earthquake  **25.** The study of earthquakes | **Down**  **1.**  A seismic wave that causes particles of rock to move in a back-and-forth direction  **2.** An area along a fault where relatively few earthquakes have occurred recently but where strong earthquakes have occurred in the past  **3.** A movement or trembling of the ground that is caused by a sudden release of energy when rocks along a fault move  **6.** the remains of something that has been destroyed or broken up  **7.** Fragments of rock that form during a volcanic eruption  **9.** The bending, tilting, and breaking of the Earth's crust; the change in the shape of rock in response to stress  **10.** Describes magma or igneous rocks that is rich in magnesium and iron and that is generally dark in color  **11.** Any activity that includes the movement of magma toward onto earths surface  **12.**  Process of making older structures more earthquake resistant  **14.** a side vent  **15.** Describes magma or igneous rock that is rich in feldspar and silica and that is generally light in color  **16.** The point on earths surface directly above an earthquakes starting point or focus  **21.** Magma that flows into earths surface the rock that forms when lava cools and solidifies |