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Plate Tectonics, Earthquakes, and Volcanoes

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| **Across**  **1.** fast flowing clouds of hot ash and volcanic glass rolling down the mountainside  **2.** the two sub-layers of the earth's crust that float causing continental drift, earthquakes, volcanoes, mountains, and oceanic trenches.  **4.** hot fluid that is under the Earth's surface  **8.** Explosive eruptions followed by outpourings of lava.(the big ones)  **9.** when two oceanic plates pull apart, magma rises and new crust is formed  **11.** Type of volcano that is almost entirely made of magma and lava  **14.** A mountain that forms when magma is forced to the Earth's surface.  **15.** earths crust made of land  **16.** a sudden and violent shaking of the Earth as a result of movements within the earth's crust  **17.** the composition of the magma determines its what of the volcano? | **Down**  **3.** Volcanic gases can block out the sunlight causing what?  **5.** earths crust located under the ocean  **6.** part of the Earth's Composition that is made of iron and nickel  **7.** Small volcanoes made from ash and rocks.  **10.** technical name for crust and upper mantle  **12.** the part of the Earth that contains most of Earth's mass  **13.** hot molten rock above the Earth's surface |