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plate tectonics crossword

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| **Across**  **3.** a layer of 'plastic' semi-solid rock in the lower mantle on which Earth's tectonic plates move  **6.** a huge wave in the ocean caused by an earthquake occurring on the seafloor  **9.** the rapid movement of the ground, usually back and forth and up and down in a wave motion, due to the movement of tectonic plates  **10.** the process of continents breaking up, subsiding and allowing in water from the sea  **14.** layer beneath Earth's crust  **15.** a longitudinal seismic wave that travels fast through Earth  **16.** the point on Earth's surface directly above the focus of an earthquake  **18.** a chain of islands formed at the edges of colliding tectonic plates where one plate subducts  **19.** plates are pulled apart at the mid-ocean ridges  **20.** Earth's outermost solid layer | **Down**  **1.** the crust that forms the ocean floor  **2.** the place below ground where an earthquake starts  **4.** a depression in the ocean floor  **5.** the separating of continents by drifting across Earth's surface  **7.** name for the crust and the upper mantle together; Earth's tectonic plates  **8.**  when one plate sinks below another plate during a collision  **11.** molten rock that has erupted onto Earth's surface  **12.** molten rock below Earth's surface  **13.** a place where extremely hot material from inside Earth erupts at the surface  **17.** older crust is pushed below new ocean crust and squeezes the plates sideways |