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Plate Tectonics

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| **Across**  **5.** the gradual movement of the continents across the earth's surface through geological time.  **7.** Earth scientists  **8.**  The continents fit almost like a puzzle  **12.** a mountain range in Asia separating the plains of the Indian subcontinent from the Tibetan Plateau.  **14.** a sudden and violent shaking of the ground, sometimes causing great destruction, as a result of movements within the earth's crust or volcanic action.  **15.** the innermost part of the earth  **17.** one where the two plates slide against each other in a sideways motion  **19.** the remains or impression of a prehistoric organism preserved in petrified form or as a mold or cast in rock  **20.** Helps explain continental drift in thie theory of plate tectonics | **Down**  **1.** Heat energy is transferred from hot places to cooler places  **2.** the sideways and downward movement of the edge of a plate of the earth's crust into the mantle beneath another plate.  **3.** When two objects move away from each other.  **4.** Earth's outer layer is made up of large, moving pieces called........  **6.** a fault that moves laterally, or side to side.  **9.**  hot molten or semifluid rock erupted from a volcano or fissure, or solid rock resulting from cooling of this  **10.** What makes up the Lithosphere (crust and the......  **11.** In many locations the hot molten magma from deep within the Earth rises up through the crust to reach the surface.  **13.** molten rock under the Earth's crust  **16.** form when one tectonic plate slides beneath another one plate at a subduction  **18.** a major area in the basin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur. |