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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. |