Tectonic Plates

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| **Across****3.** A plate boundary where two plates move away from each other.**7.** The name of the single continent that broke apart 200 million years ago.**8.** The movement of energy from a warmer object to a cooler object. **12.** Heat transfer by direct contact of particles of matter.**13.** A break in Earth's crust**14.** The transfer of energy through an empty space.**16.** The name if young German scientist who was curious about the relationship of the continents.**17.** A major belt of volcanoes that rims the Pacific Ocean**19.** A plate boundary where two plates move towards each other.**20.** The theory that pieces of Earth's lithosphere are constantly in motion, driven by convection currents in the mantle. **21.** A layer of hot solid material between the crust and the core. | **Down****1.** The hypothesis that the continents slowly move across earths surface**2.** A vibration that travels through earth carrying the energy released during an earthquake.**4.** The soft layer of the mantle on which the Lithosphere floats. **5.** The movement of a fluid, caused by differences in temperature, that transfers heat from one part of the fluid to each other.**6.** A plate boundary where two plates move past each other in opposite directions. **9.** A deep valley that forms where two plates move apart.**10.** The layer of rock that forms earth's outer surface.**11.** The measure of how much mass there is in a volume substance. **15.** A dense ball of solid metal. **18.** A layer of molten metal that surrounds the inner core. |