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Plate Tectonics

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| **Across**  **4.** layer of mantle that includes some of the oceanic crust  **6.** crack in ocean floor where magma seeps out.  **10.** solid, extremely hot layer in the center of the Earth  **14.** heat transfer within a fluid  **15.** supercontinent that formed millions of years ago  **17.** device scientists use to map the ocean floor  **18.** breaks in the Earth's crust where rocks have slipped past each other  **19.** s measure of how much mass ther is in a volumem of water  **21.** heat transfer between objects that are touching  **22.** place where an oceanic crust sinks underneath continental crust and causes subduction  **23.** proccess where oceanic crust is continuelly added. | **Down**  **1.** heat transfer through space  **2.** layer of mantle that is solid but able to flow  **3.** what the continental crust is made of.  **5.** theory Alfred Wegener discovered.  **7.** outside layer of the Earth(where the continents and ocean are)  **8.** deep valley that forms at a divergent boundary  **9.** indirect evidence scientists use to figure out what Earth's interior looks like.  **11.** liquid layer made of iron  **12.** what the oceanic crust is made up of mostly.  **13.** any trace of an ancient organism that hasbeem preserved in rock  **16.** broken parts in the Earth's lithosphere  **20.** proccess where oceanic crust is recycled back down into the mantle at a trench |