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Plate Techtonics

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| **Across**  **4.** Magma that has reached the surface  **7.** Theory that continents were once one big land mass and over time they drifted apart  **13.** Cool, rigid outermost layer of the earth. Consists of the upper most part of the mantle and the crust  **14.** Materialized remains of organisms that show how long an animal lived and the structure of their body  **15.** Who proposed the idea of plate tectonics?  **16.** What type of plate boundary slides past the other to create fault lines?  **17.** When two plates collide and the more dense one sinks under the earths surface  **19.** What islands were formed from the collision of two oceanic plates?  **20.** What mountain formed along the coast of South Africa as a result of plate subduction after a collision | **Down**  **1.** What mountain range formed from the collision of the India and Eurasia plate?  **2.** Who proposed the theory of continental drift?  **3.** Solid layer with plasticity in the upper mantle just below the lithosphere  **5.** Heated, less dense air or liquid rises and cooler, more dense air or liquid sinks  **6.** What islands were formed over a hotspot?  **8.** Theory that the lithosphere is divided into tectonic plates that float around on the asthenosphere  **9.** When magma oozes from mid ocean ridges, creating new crust that gradually moves away from the ridge and makes one ocean bigger and the other smaller  **10.** What type of plate boundary collides with the other to create mountains?  **11.** What type of plate boundary pulls away from the other to form rift valleys?  **12.** Area in the mantle from which magma rises from a narrow plume to form volcanic mountains  **18.** Hot, molten rock from deep within the earth |