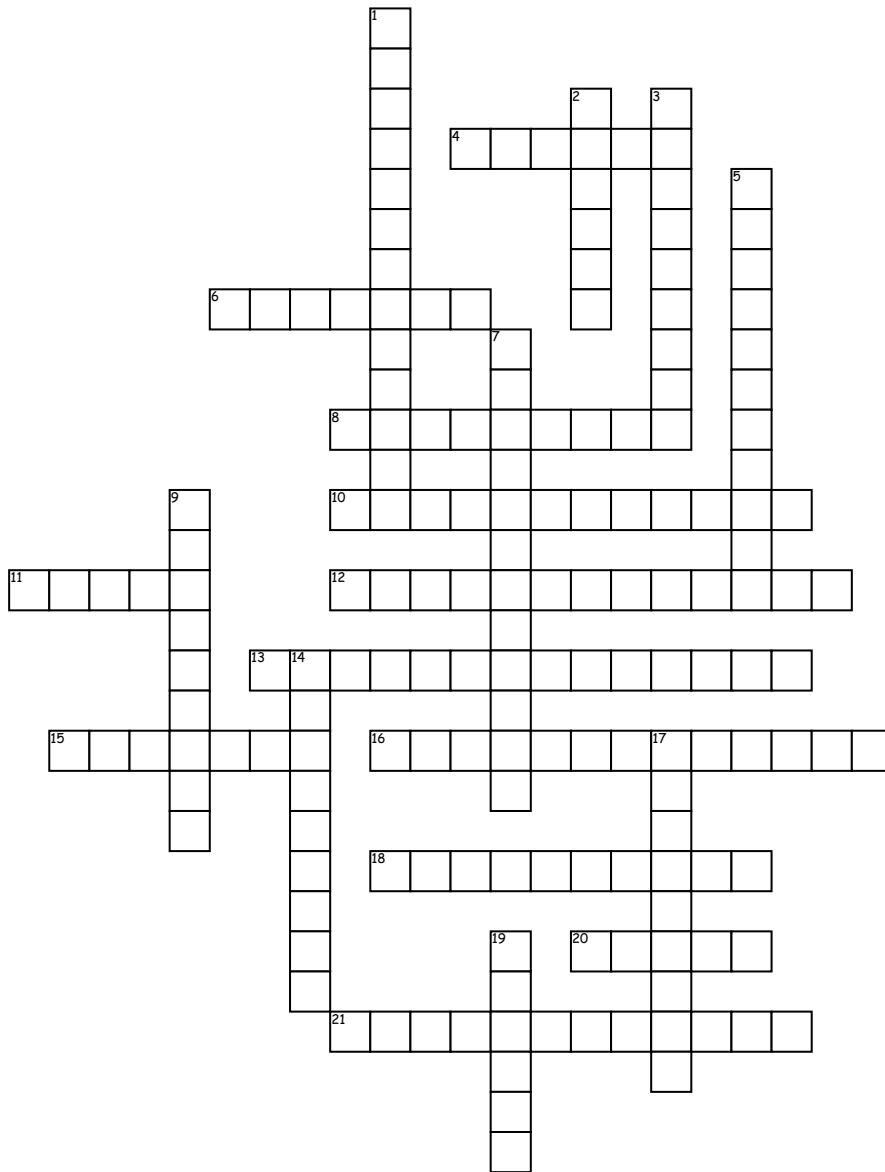


Plate Tectonics Cross Word Puzzle



Across

4. rough, jagged block lava
6. "pea-sized" pyroclastic material
8. Sphere with radius of 1216 km. Behaves like a solid
10. Compressional motion earthquake wave. Greatest velocity earthquake wave
11. Thin, rocky outer layer. Varies in thickness
12. Beneath Lithosphere, to a depth of 660 kilometers. Soft, weak layer
13. Shake motion earthquake wave. Slower velocity wave
15. Walnut size pyroclastic material

16. broad, slightly domed volcano

18. Very hot gradually flowing layer. 660-2900 kilometers

20. The place within earth where earthquake waves originate

21. Basaltic composition, younger than continental crust

Down

1. Published *The Origin of Continents and Oceans*. First proposed his hypothesis in 1915

2. Supercontinent broke apart about 200 million years ago

3. Concept introduced by Charles Richter, based on amplitude of largest seismic wave

5. Crust and uppermost mantle. Cool, rigid, and solid

7. Slowest earthquake wave. Complex motion, slowest velocity of all waves

9. Measurement of the degree of earthquake shaking based on the amount of damage at a given locale

14. Point on surface, directly above the focus

17. Liquid layer, generates earth's magnetic field. Iron-Nickel alloy below mantle

19. Below crust to a depth of 2900 kilometers