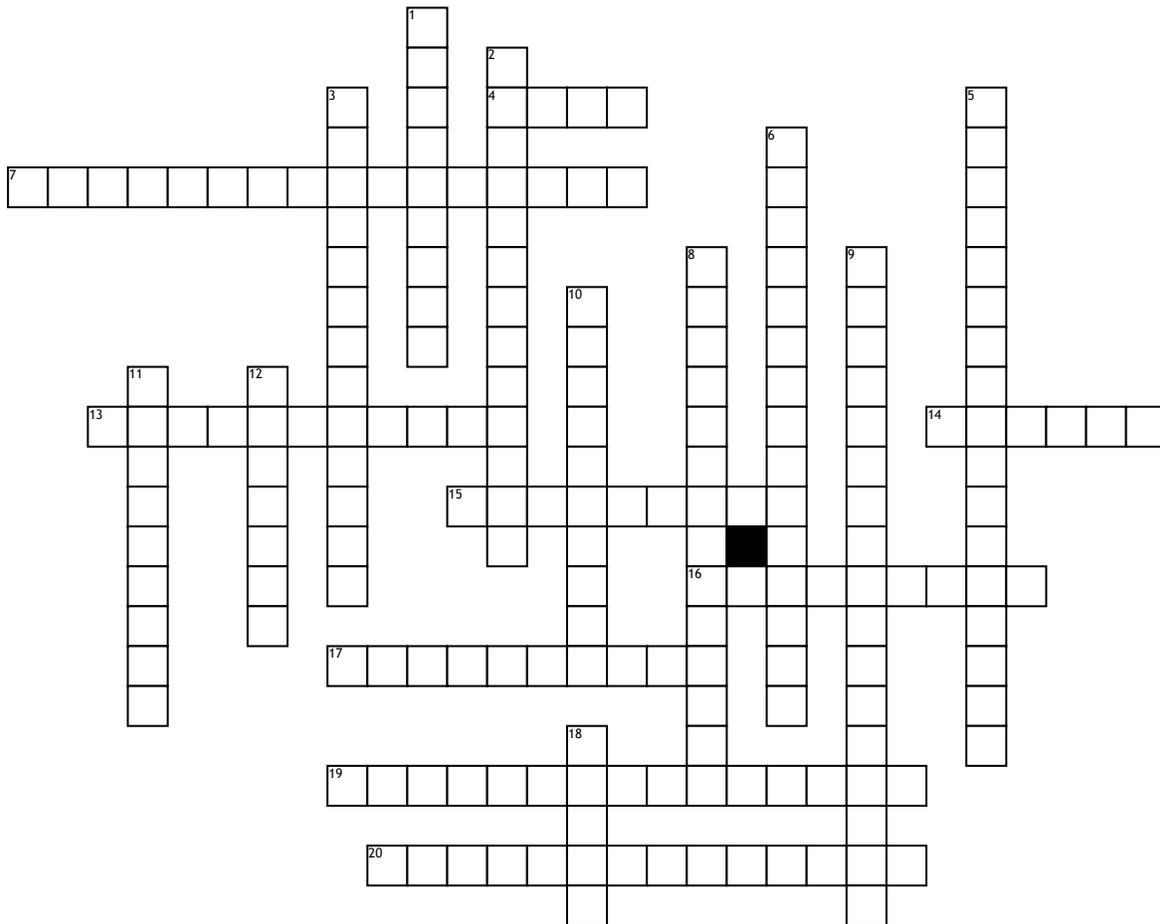


Plate Tectonics



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 earth's 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