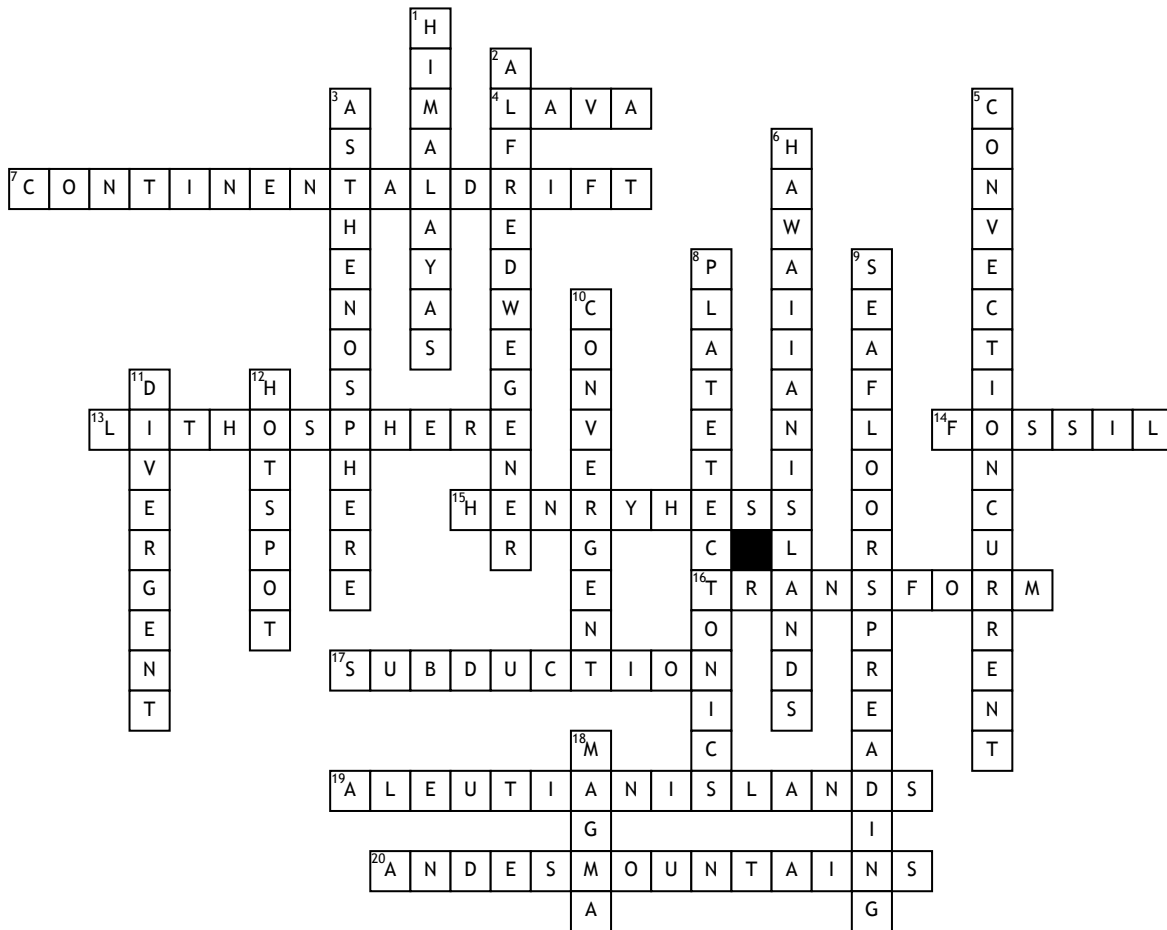


Plate Tectonics



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