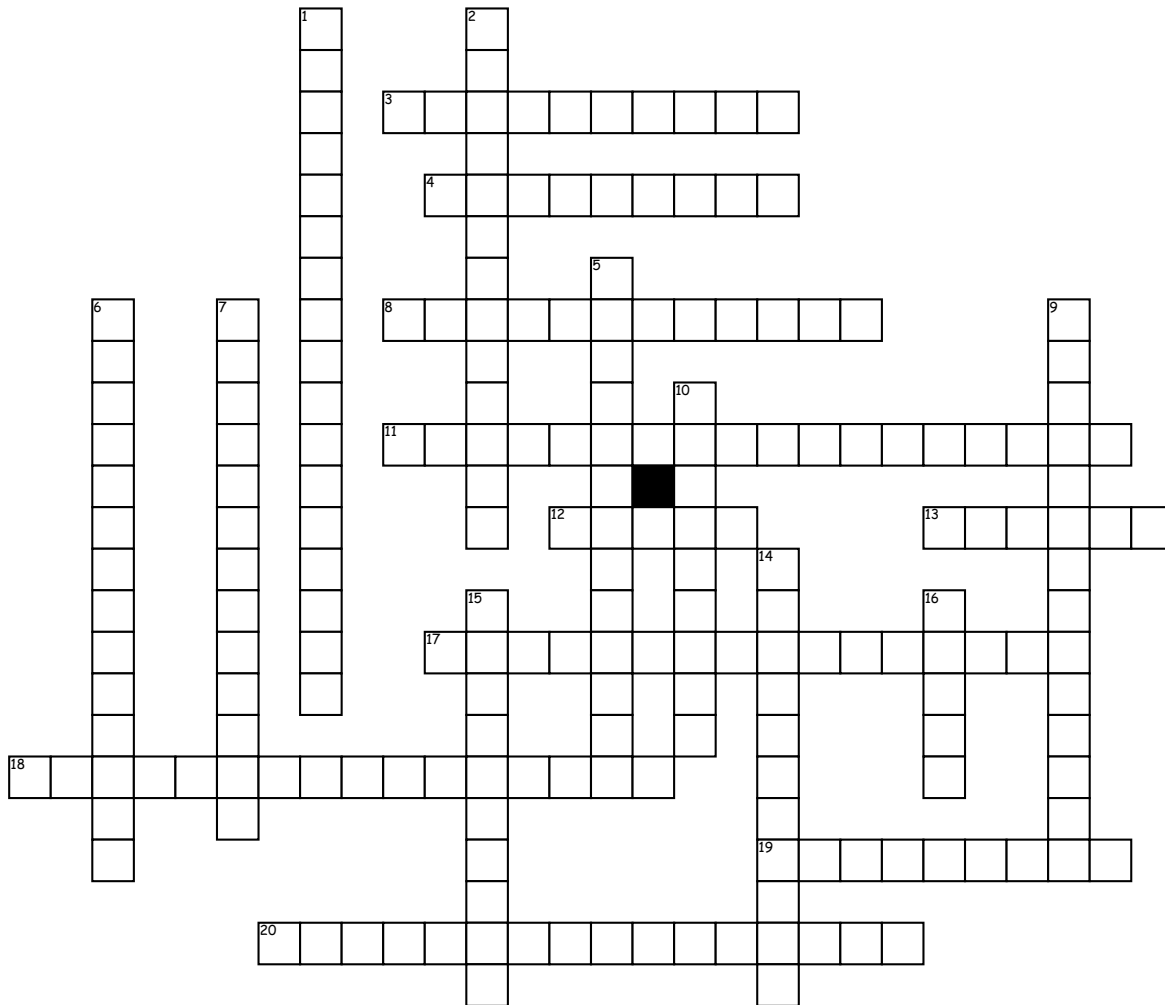


Plate tectonics



Across

3. long, narrow depression formed at divergent boundaries

4. the boundary between the tectonic plates that are sliding past each other horizontally.

8. thinner, more dense, younger crust making ocean floor

11. a current caused by the rising of heated fluid and sinking of cooled fluid believed to drive plate movement in the mantle of the earth

12. a large piece of land before all the continents

13. The layer of earth between the crust and the core

17. the portion of the earth's crust that primarily contains granite and is less dense than oceanic crust.

18. A research vessel designed for the purpose of drilling into and taking core samples from the deep ocean floor.

19. who proposed the theory of sea floor-spreading.

20. a theory that states that the continents once formed a single landmass, broke up, and drifted to their present locations

Down

1. The process by which new oceanic crust forms as magma rises towards the surface and solidifies at divergency boundaries.

2. who came up with the theory of continental drift.

5. an underwater mountain range made at divergent plate boundaries

6. in tectonic plates, the site at which an oceanic plate is sliding under a continental plate

7. Layer of earth right below the lithosphere. This is the layer on which the tectonic plates "float"

9. The theory that pieces of Earth's crust are in constant motion.

10. the boundry between two tectonic plays that are moving away from each other

14. The rigid layer of the earth consisting of the crust and upper mantle.

15. plates collide, results in subduction, trench, and mountains

16. The thinnest compositional layer of the earth