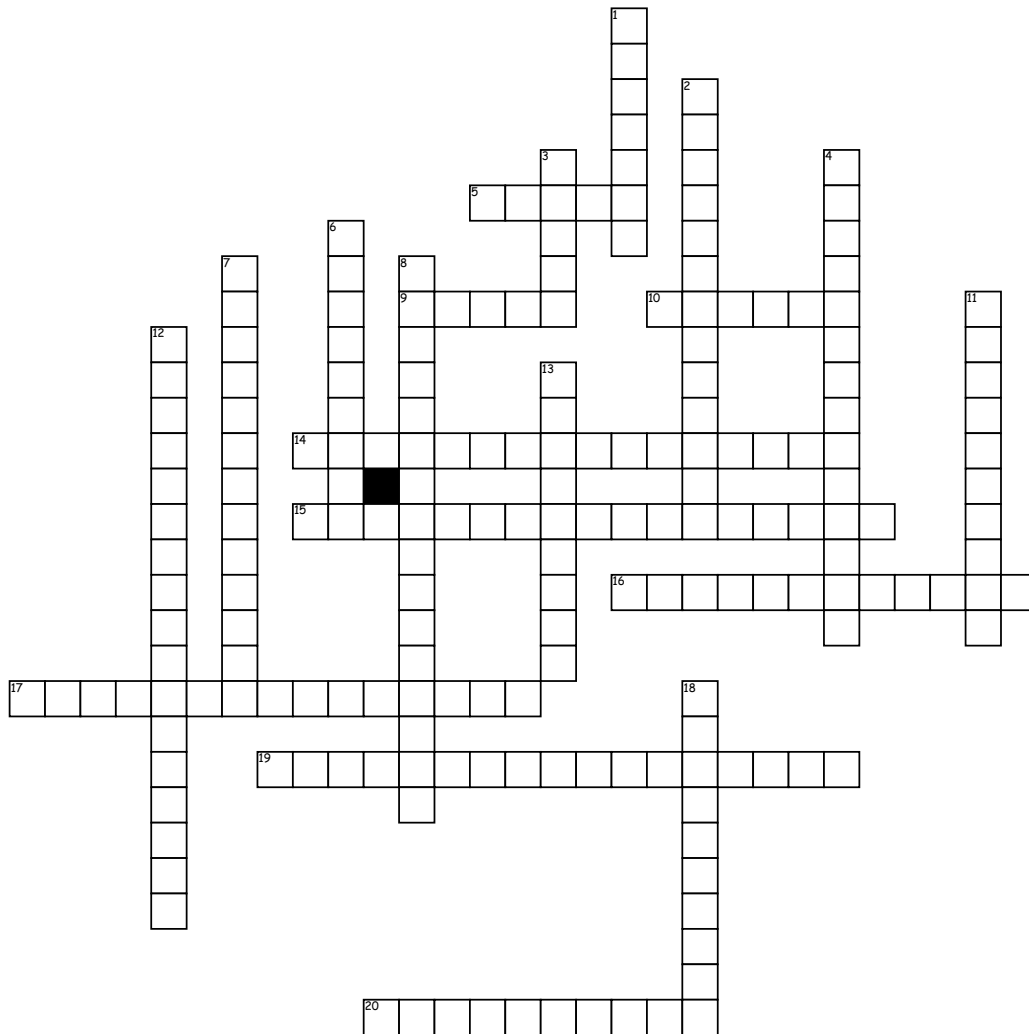


Plate Tectonics



Across

5. One of the sections of the earth's lithosphere, constantly moving in relation to the other sections.

9. The solid, outermost layer of the Earth, lying above the mantle

10. The layer of the Earth between the crust and the outer core

14. The gradual movement of the continents across the earth's surface

15. The concept that new oceanic crust is created at the mid-ocean ridge as a result of divergence between plates.

16. Seismic waves are waves of energy that travel through the core of the earth.

17. A long, narrow, but very deep depression in the ocean floor

19. A linear feature that exists between two tectonic plates that are moving away from each other

20. The sideways and downward movement of the edge of a plate of the earth's crust into the mantle beneath another plate.

Down

1. A continent formed 250 million years ago due to plate movement

2. The site where tectonic plates move apart and new oceanic crust is created

3. A crack in the earth's crust

4. What describes large movements of the Earth's crust?

6. A liquid layer about 2,260 kilometers thick

7. A zone of the earth's mantle that lies beneath the lithosphere

8. A theory that explains scientific observations

11. A valley with steep sides; formed by a rift in the earth's crust

12. A boundary in which two plates slide past each other without creating or destroying lithosphere

13. A solid sphere in the middle of the fluid core

18. The process by which sound waves travel through a medium.

Word Bank

DivergentBoundary

Conduction

Plate

Seismic Waves

Fault

Asthenosphere

Plate Tectonics

Crust

Scientific Theory

Rift Valley

TransformBoundary

SeaFloorSpreading

MidOceanRidge

Continental Drift

Pangaea

Outer Core

Mantle

Subduction

DeepOceanTrench

Inner Core