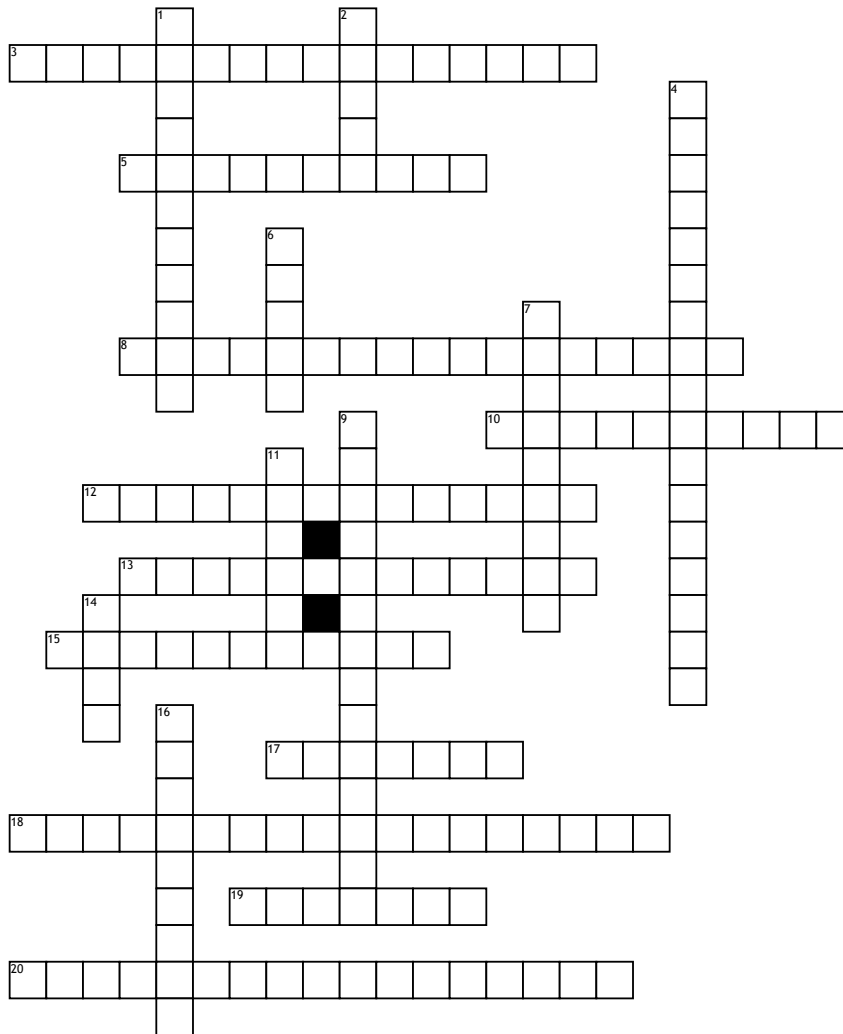


Tectonic Plates



Across

3. The theory that continents can drift apart from one another and have in the past

5. Movement due to differences in density

8. Two plates slide past each other horizontally

10. The "middle sphere," the strong, lower part of the mantle between the asthenosphere and the outer core

12. The theory that the Earth's lithosphere is divided into tectonic plates that move around on top of the asthenosphere

13. The soft layer of the mantle on which pieces of the lithosphere move

15. The type of stress that occurs when an object is squeezed

17. The bending of rock layers due to stress in the Earth's crust

18. Forms when two plates collide

19. The type of stress that occurs when forces act to stretch an object

20. Two plates move apart from each other

Down

1. The outermost, rigid layer of the Earth that consists of the crust and the rigid upper part of the mantle

2. A break in the Earth's crust along which two blocks of the crust slide relative to one another

4. The process by which new oceanic lithosphere is created at mid-ocean ridges as older materials are pulled away from the ridge

6. Outermost, thin layer of Earth

7. The liquid layer of the Earth's core that lies beneath the mantle and surrounds the inner core

9. A piece of the lithosphere that moves around on top the asthenosphere

11. The amount of force per unit area that is put on a given material

14. The central, spherical part of the Earth below the mantle

16. The solid, dense center of the Earth

Word Bank

Outer Core

Compression

Inner Core

Sea Floor Spreading

Transform Boundary

Tension

Tectonic Plates

Continental Drift

Convection

Asthenosphere

Crust

Fault

Stress

Plate Tectonics

Divergent Boundary

Core

Folding

Lithosphere

Mesosphere

Convergent Boundary