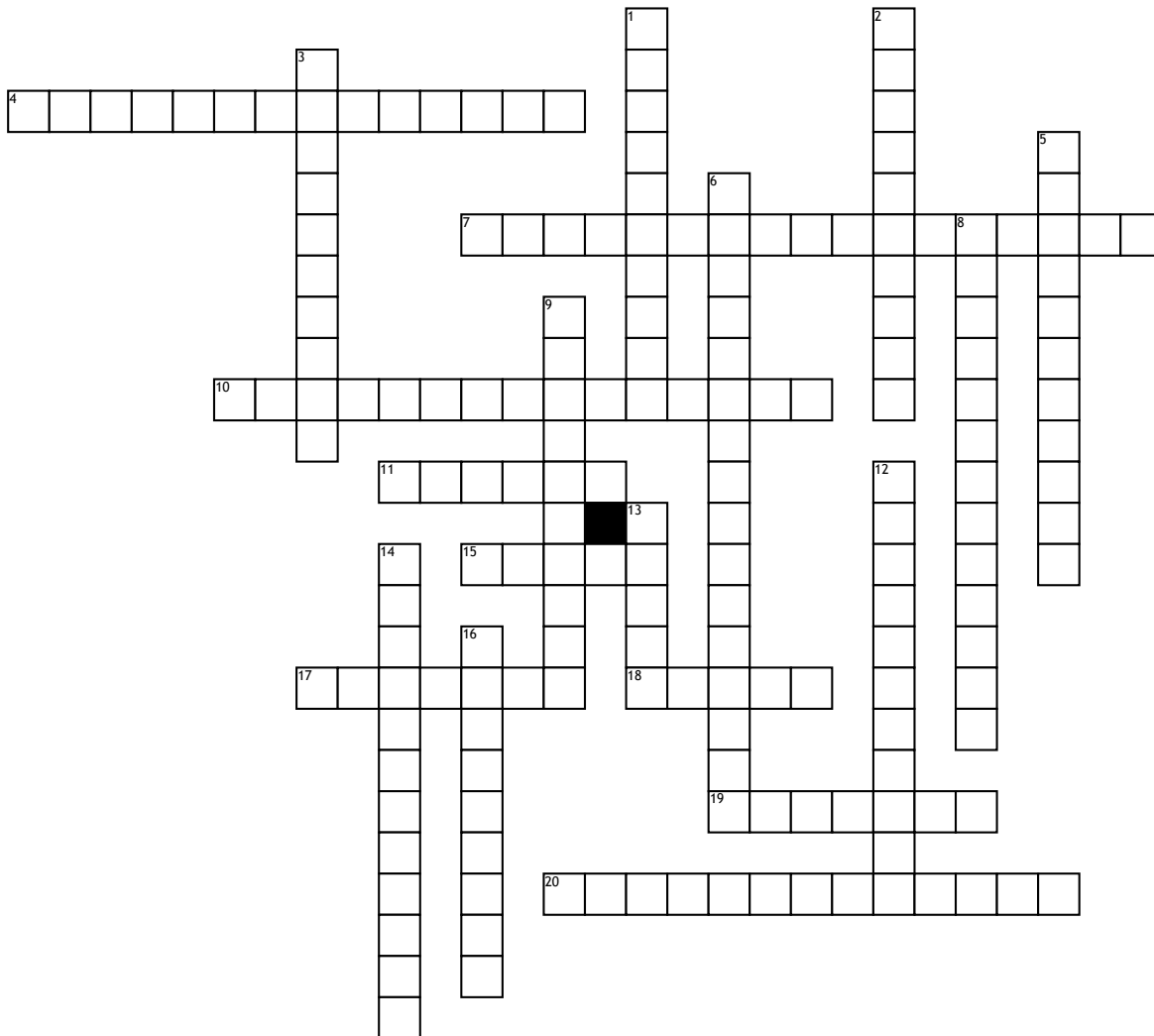


# Plate Tectonics



## Across

4. A convergent plate boundary where oceanic crust moves under continental crust and is destroyed
7. As new crust in the ocean is made, the seafloor spreads out
10. A steep-sided depression in the ocean floor
11. The seismic wave that travels most rapidly
15. Molten rock, gases, and solid crystals and minerals
17. An area above a hot, up welling mantle resulting in a plume which rises through the earth's lithosphere and produces active volcanoes

18. How many types of boundaries are there?

19. Giant destructive waves created by earthquakes in the ocean

20. One piece of evidence that supports the Earth is divided into 7 major plates.

## Down

1. The layer of Earth that is the only liquid layer is the \_\_\_\_\_

2. The arrangement of the natural and artificial physical features of an area

3. Areas where either oceanic or continental crust is being formed at divergent boundaries

5. The instrument that measures earthquake waves

6. The gradual movement of the continents across the earth's surface through geological time

8. Scientist credited for the theory of plate tectonics

9. A type of boundary where tectonic plates collide with each other

12. A arc-shaped chain of volcanoes formed above a subduction zone

13. The San Andreas fault line is a

14. A line on a map joining points of equal height above or below sea level

16. The point on the surface directly above the focus of an earthquake