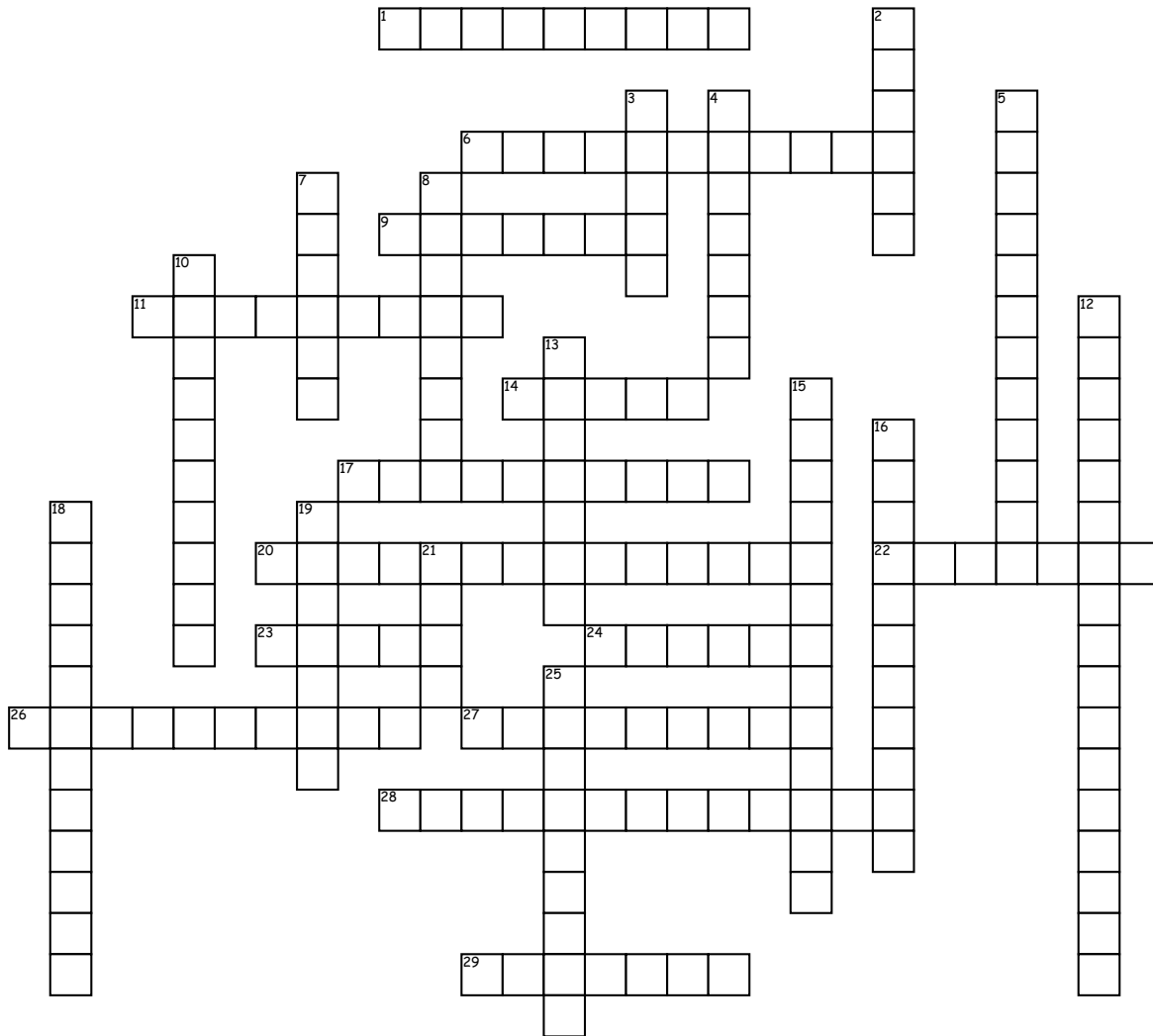


# Plate Tectonics



## Across

1. Liquid part of center (Second layer from center)  
 6. The strain when two plates are pushing together  
 9. What evidence led him to believe the continents may have fit together  
 11. California has many earthquakes because it sits on a  
 14. The point that the earthquake originated  
 17. The process where heat rises from the bottom, spreads and then cools  
 20. Underwater volcanic mountain chains  
 22. Islands form when a plate moves over a stationary what in the mantle  
 23. The strain when plates are moving sideways  
 24. Name for the supercontinent  
 26. Place where two plates are moving together is called a \_\_\_\_\_ boundary

27. The point directly above the focus during an earthquake

28. The man who discovered the continents may have fit together

29. The strain when two plates are pulling apart

## Down

2. two plates pulling apart can create what

3. The outermost layer of the Earth (You walk on it!)

4. An earthquake in the ocean can cause this

5. Waves of energy that travel through the ground

7. Layer below the crust that is mostly solid but can move like silly putty due to great heat and pressure

8. Two plates colliding can create what

10. when two plates slide and grind past each other

12. 26. Under the ocean, the process when plates diverge and new crust is formed is called

13. Structures that are created when the plates move and release pressure from within the earth

15. Deep underwater depression

16. Layer below the crust that is cooler and more brittle (Upper portion of the Mantle)

18. Instrument used to detect vibrations in the Earth

19. Seismic waves are measured using which scale

21. Center of the Earth made of metals like iron and nickel

25. Place where two plates are moving apart is called a \_\_\_\_\_ boundary