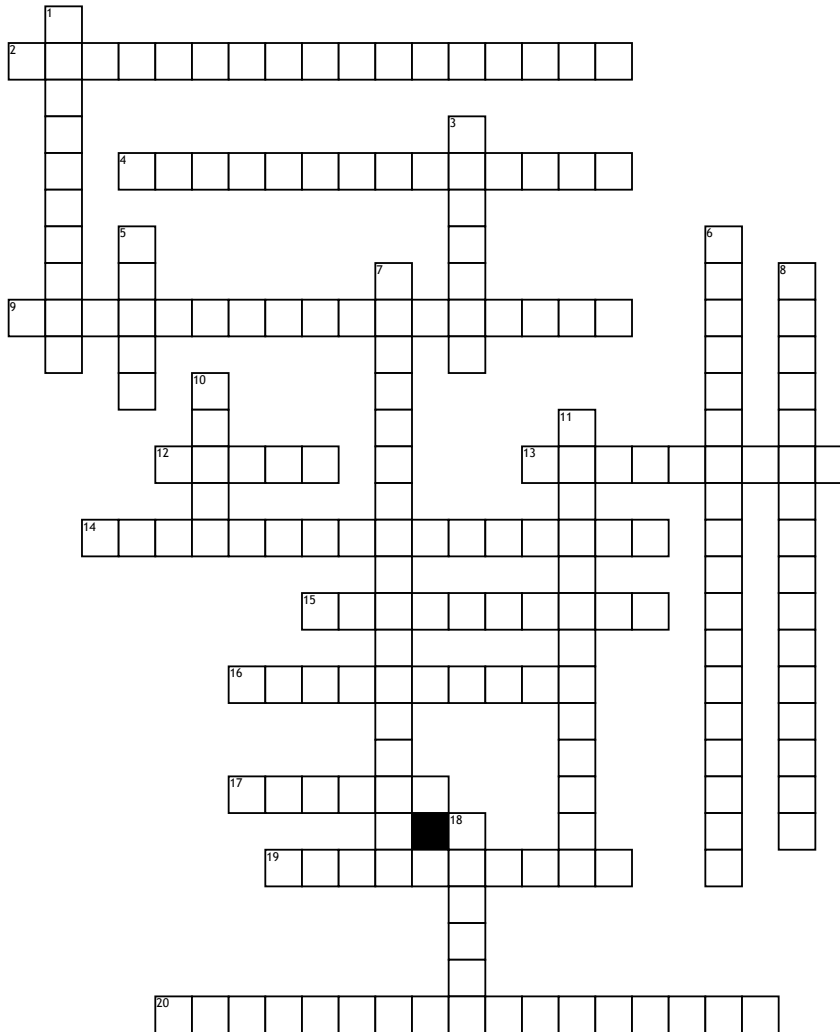


# Plate Tectonic Word Search



## Across

2. the place where two plates move apart, or diverge
4. Theory that Earth's crust and upper mantle are broken into plates that float and move around on plastic-like layer of the mantle
9. a place where two plates slip past each other, moving in opposite directions
12. a molten mixture of rock-forming substances, gases, and water from the mantle
13. a linear feature that exists between two tectonic plates that are moving away from each other
14. a well tested concept that explains a wide range of observations
15. an actively deforming region where two or more tectonic plates or fragments of the lithosphere move towards one another and collide

16. the process that takes place at convergent boundaries by which one tectonic plate moves under another tectonic plate and sinks into the mantle
17. Large, ancient landmass that was composed of all the continents joined together
19. when two plates slide apart and forms a deep valley along the divergent boundary
20. Hess's theory that new seafloor is formed when magma is forced upward toward the surface at a mid-ocean ridge

## Down

1. a major volcanic belt formed by the many volcanoes that rim the Pacific Ocean
3. a weak spot in the crust where molten material, or magma, comes to the surface
5. a device that bounces sound waves off underwater objects

6. the place where two plates come together, or converge
7. current in Earth's mantle that transfers heat in Earth's interior and is the driving force for plate tectonics
8. Wegener's hypothesis that all continents were once connected
10. A large section of Earth's oceanic or continental crust and rigid upper mantle that moves around on the asthenosphere
11. area where new ocean floor is formed when lava erupts through cracks in the Earth's crust
18. breaks in the Earth's crust where rocks have slipped past each other

## Word Bank

volcano  
Magma  
seafloor spreading  
ring of fire  
rift valley

plate tectonics  
Plate  
Pangea  
faults  
scientific theory

mid-ocean ridge  
convergent  
sonar  
divergent  
divergent boundary

convergent boundary  
subduction  
transform boundary  
Continental Drift  
convection current