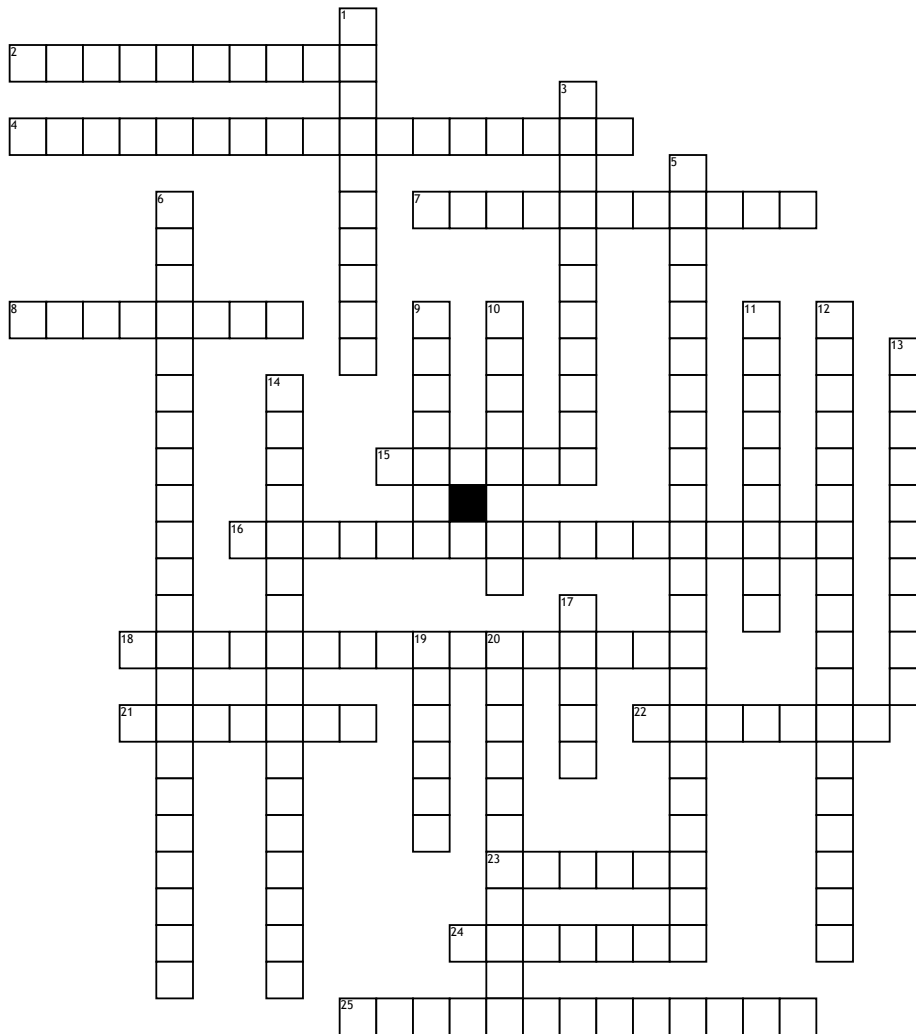


# PLATE TECTONICS



## Across

2. Vibration of Earth due to the rapid release of energy.  
 4. A chain of volcanoes that develop parallel to a trench.  
 7. A device used to record earthquake waves.  
 8. a large natural elevation of the earth's surface rising abruptly from the surrounding level.  
 15. part of the earth between the core and the crust  
 16. is a process that occurs at mid-ocean ridges, where new oceanic crust is formed through volcanic activity and then gradually moves away from the ridge.  
 18. The thick part of the Earth's crust, not located under the ocean.  
 21. The thin part of the Earth's crust located under the oceans.  
 22. A concentration of heat in the mantle capable of creating magma.  
 23. name of the Mesozoic Supercontinent that consisted of all of the present continents  
 24. The science that studies Earth  
 25. Soft, weak upper portion of the mantle where the lithospheric plates float and move around.

## Down

1. A record made by a seismograph.  
 3. The first type of seismic wave to be recorded in a seismic station.  
 5. A boundary produced when two plates slide past each other.  
 6. Mountains formed in part by igneous activity associated with subduction of oceanic lithosphere beneath a continent.  
 9. a rupture in the Earth's crust where molten lava, hot ash, and gases from below the Earth's crust escape into the air.  
 10. Any break in a rock in which no significant movement has taken place.  
 11. Branch of Geology that deals with the movements that shape the Earth's crust.  
 12. A boundary in which two plates move toward each other, causing one of the slabs of the lithosphere to subduct beneath an overriding plate.  
 13. An event in which a slab of rock thrusts into the mantle.

14. Current in the mantle due to the heat from the inner layers of the Earth and is the force that drives the plates to move around  
 17. The outer portion of the earth.  
 19. A depression in the seafloor produced by subduction process.  
 20. The topmost, solid part of the Earth that is composed of several plates.

## Word Bank

Fracture	Transform fault boundary	Crust	Convergent boundary	Oceanic
Continental Crust	Volcanic Island arc	Mantle	Seismograph	PrimaryWave
Tectonics	Pangea	Seafloor spreading	Volcano	Earthquake
Continental volcanic arc	Lithosphere	Mountain	Seismogram	Geology
Hot spot	Convection current	Subduction	Asthenosphere	Trench