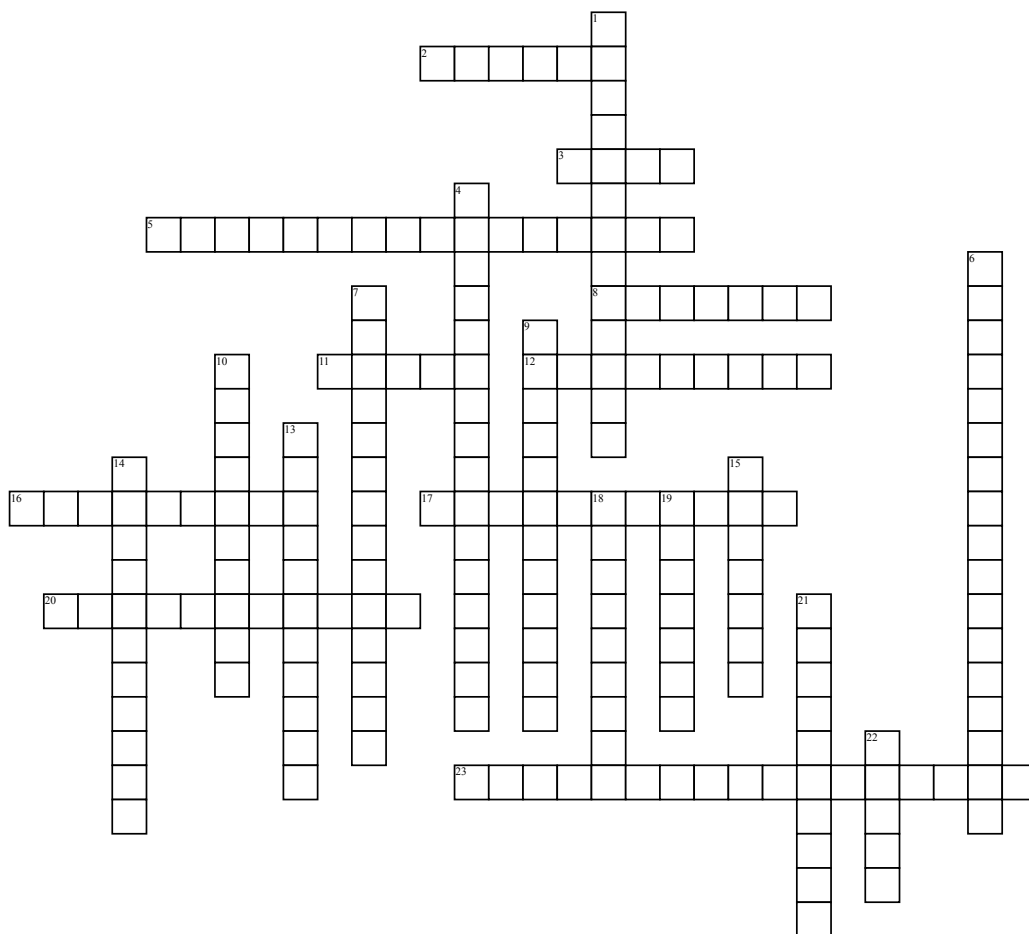


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Plate Tectonics Crossword Puzzle



## Across

2. the com-positional layer of Earth between the crust and the outer core  
 3. at the center of the Earth; made up of two parts, inner and outer  
 5. the hypothesis that today's continents were once part of a single landmass  
 8. a large super-continent that existed millions of years ago  
 11. a break of rock in Earth's surface  
 12. boundary caused by two tectonic plates moving in opposite directions and scraping against each other  
 16. boundary caused by two tectonic plates moving apart  
 17. the bending and breaking of rock due to stress

20. stress that squeezes rock until it folds or breaks  
 23. a current caused by the rising of heated fluid and sinking of cooled fluid; this is the engine that causes the tectonic plates to move

## Down

1. large, moving pieces of the lithosphere  
 4. a change in the magnetic poles resulting in a pattern that provides evidence for seafloor spreading and plate tectonics  
 6. The process that creates new sea floor as plates move away from each other at the mid-ocean ridges. As new seafloor rock forms, it pushes the older rock in opposite directions away from the ridge.  
 7. a theory that Earth's is divided into huge moving slabs  
 9. the soft layer of the mantle on which tectonic plates move

10. boundary caused by two tectonic plates coming together  
 13. consists of the upper mantle and crust; rigid layer of Earth  
 14. Energy released by earthquakes that travel through rocks outward  
 15. when land is bent in result of deformation  
 18. the lower, more dense part of the mantle  
 19. stress that stretches rock in the middle until it becomes thinner and eventually breaks  
 21. one tectonic plate is pulled beneath another  
 22. the outermost compositional layer of earth; a rigid layer

## Word Bank

lithosphere	platetectonics	deformation	transform	tension
convergent	mantle	mesosphere	compression	magneticreversal
crust	seafloorspreading	convectioncurrent	divergent	folding
tectonicplate	Pangaea	core	fault	seismicwave
athenosphere	continentaldrift	subduction		