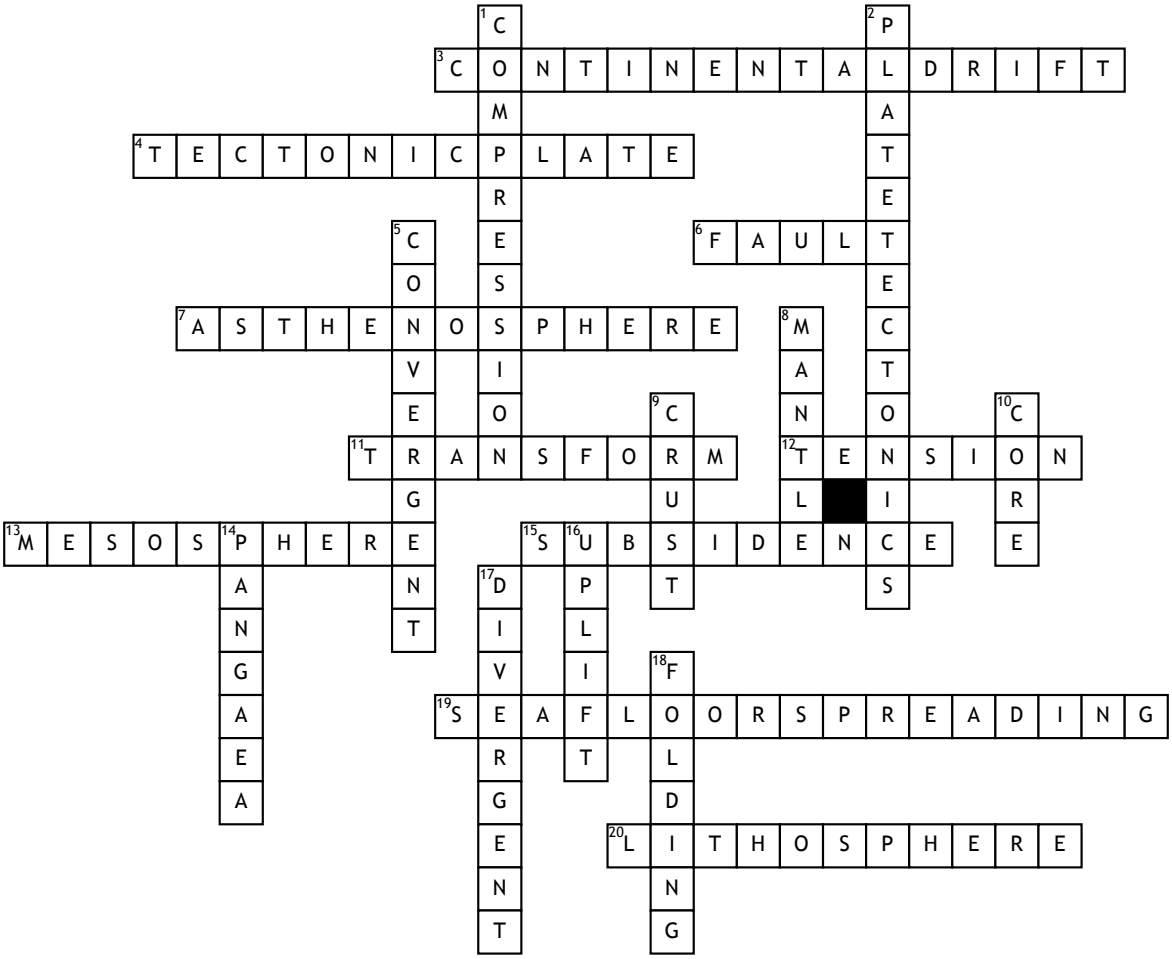
Name: _____ Date: _____ Period: _____

Plate Tectonics



Across

3. the hypothesis that states that the continents once formed a single landmass, broke up, and drifted to there present locations

4. a block of lithosphere that consists of the crust and the rigid, outermost part of the mantle

6. a break in a body of rock along which one block slides relative to another

7. the soft layer of the mantle on which the tectonic plates move

11. the boundary between tectonic plates that are sliding past each other horizontally

12. stress that occurs when forces act to stretch an object

13. the strong, lower part of the mantle between the asthenosphere and the outer core

15. the sinking of regions of the Earths crust to lower elevations

19. the process by which new oceanic lithosphere forms as magma rises toward the surface and solidifies

20. the solid, outer layer of the Earth that consists of the crust and the rigid upper part of the mantle

Down

1. stress that occurs when forces act to squeeze an object

2. the theory that explains how large pieces of the earth outermost layer move and change shape

5. the boundary formed by the collision of 2 lithospheric plates

8. the layer of the rock between the Earth's crust and core

9. the thin and solid outermost layer of the Earth above the mantle

10. the central part of the Earth below the mantle

14. a super-continent that existed approximately 300 million years ago

16. the rising of regions of the Earths crust to higher elevations

17. the boundary between 2 tectonic plates that are moving away from each other

18. the bending of rock layers due to stress