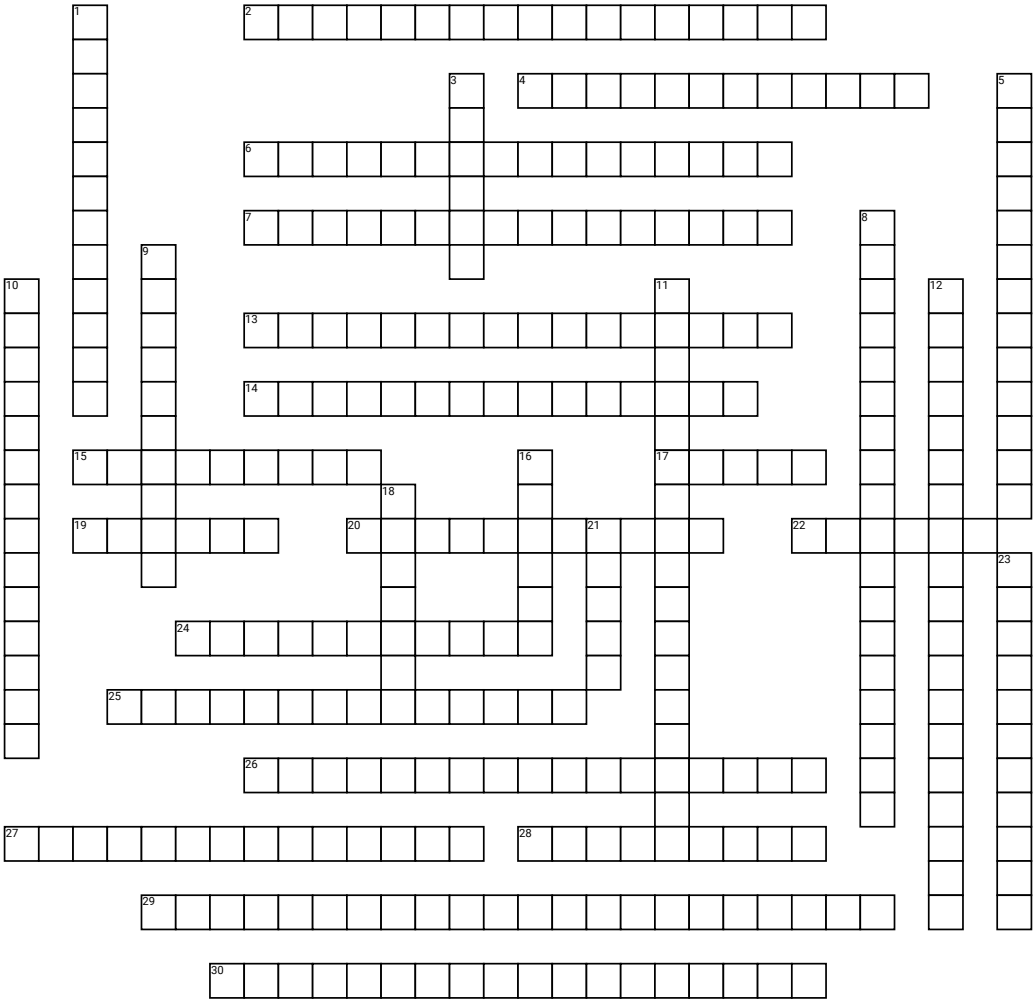
Name: _____ Date: _____

Plate tectonics



Across

2. When two plates pull apart

4. Credited with the theory of continental drift

6. Divergent boundary in the middle of the Atlantic Ocean

7. Earths crust made of land

13. The theory that continents move

14. Hot spot example

15. A chain of volcanic islands formed at an ocean-ocean convergent boundary

17. A break in the earths crust that moves

19. Depression formed at a subduction zone

20. A chain of volcanic mountains formed at an ocean-continental convergent boundary

22. Large supercontinent that existed 250 million years ago

24. Another name for the crust

25. The theory that plates move due to convection currents

26. When two oceanic plates pull apart, magma rises and new crust is formed

27. Another name for the mantle

28. Credited with the theory of plate tectonics

29. Increases with depth

30. When two plates come together

Down

1. Earths crust located under the ocean

3. Large pieces of earths crust that move due to convection current

5. Formed at a continental-continental convergent boundary

8. Circular movement of a substance due to changes in temperature and density

9. Formed when two plates pull apart and land falls downward

10. The more dense plate is pulled into the mantle under the less dense plate

11. When two plates grind past each other

12. Increases with depth

16. Thickest layer of the Earth, part liquid part solid where convection currents are found

18. Area where magma from the mantle continually breaks through the crust.

21. Outer layer of the Earth, the thinnest layer

23. Formed from cooling lava

Word Bank

Plates	sea floor spreading	Continental Drift	Oceanic crust	Fault
Harry Hess	Pangea	Hawaiian islands	Plate tectonics	Volcanic arc
Crust	Convergent boundary	Temperature inside Earth	Convection currents	Subduction zone
Mountain range	Igneous rock	Trench	Mantle	Aesthenosphere
Continental crust	Rift valley	Hot spot	Transform boundary	Island arc
Alfred Wagner	Lithosphere	Mid Atlantic Ridge	Divergent boundary	Pressure inside Earth