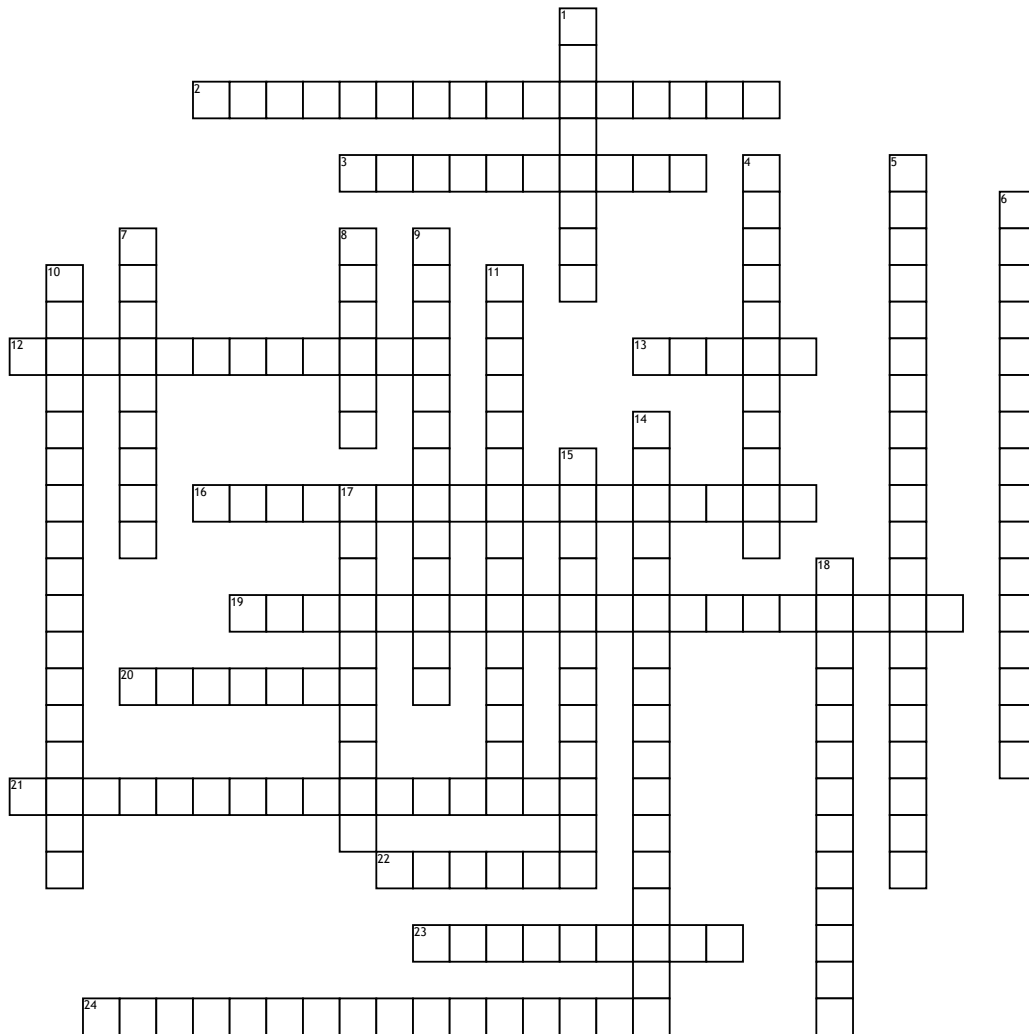


Plate Tectonics



Across

- 2. Drilling rig scientists used to drill into the sea floor seeking rock samples
- 3. A curved chain of volcanic islands
- 12. A device used to detect magnetic fields
- 13. Very top layer of the earth
- 16. Two plates moving apart
- 19. Two continental plates that collide
- 20. All land
- 21. Lines of magnetic forces moving in opposite directions
- 22. Sections in the earth's mantle that move on a plastic-like layer

23. Princeton Scientist in the early 1960s

24. The motion of continents slowly moving

Down

- 1. Two plates pushing up against each other with magma pushing through
- 4. The crust and upper mantle combined
- 5. Mountain range found in the United States and Greenland
- 6. Two plates sliding past each other without converging or diverging
- 7. Two plates pushing up against each other

8. The area between the earth's crust and core

- 9. German meteorologist who discovered the concept of Pangaea
- 10. Two plates sliding past each other
- 11. Oceanic plate that goes down into the mantle
- 14. Cycle of heating, rising, cooling and sinking
- 15. Faults forming from a pulling force
- 17. Two plates pulling apart forming a valley
- 18. A plastic-like layer below the lithosphere

Word Bank

- | | | | |
|-------------------|-----------------------|-----------------------|--------------------|
| Normal Faults | Divergent Boundary | Volcanos | Mountains |
| Island Arcs | Convection Current | Lithosphere | Transform Boundary |
| Alfred Wegener | Continental Collision | Subduction Zones | Pangaea |
| Magnetic Reversal | Strike-slip Faults | Appalachian Mountains | Magnetometer |
| Asthenosphere | Plates | Mantle | Rift Valley |
| Continental Drift | Glomar Challenger | Crust | Harry Hess |