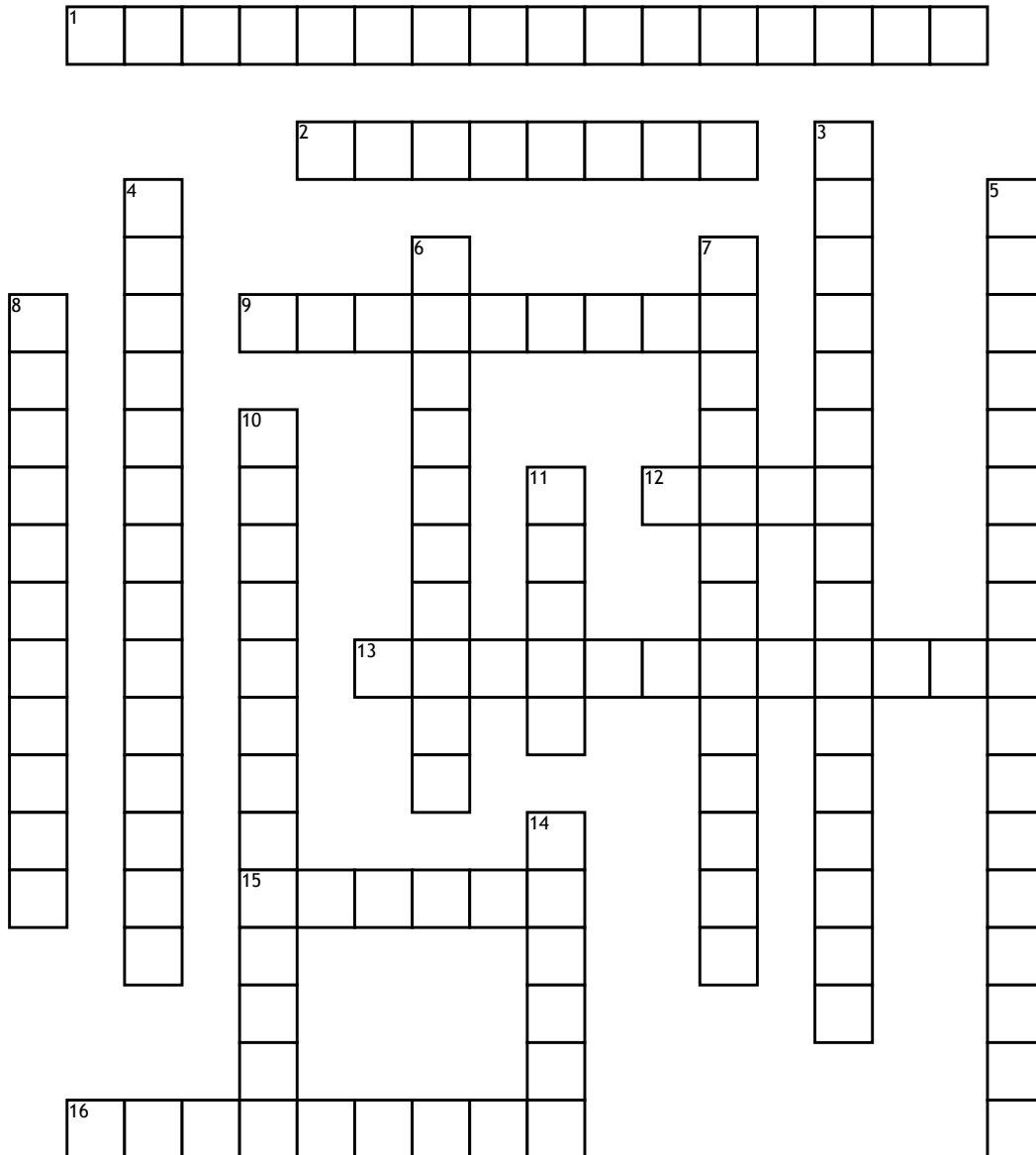


Name: _____

Date: _____

Plate Tectonics



Across

1. When Earth's poles change places
2. A substance composed of two or more elements
9. The solid, dense center of the Earth, which is about 6,380 km beneath the surface
12. The central part of the Earth below the mantle
13. Vibrations produced by earthquakes
15. Greek word meaning "all earth"

16. The liquid layer of the Earth's core that lies beneath the mantle and surrounds the inner core

Down

3. The hypothesis that states that the continents once formed a single landmass, broke up, and drifted to their present locations
4. Under water mountain chains
5. The process by which new oceanic lithosphere forms as magma rises toward the surface and solidifies

6. Beneath the asthenosphere is the strong, lower part of the mantle called the ____.
7. A block of asthenosphere that move around on top of the asthenosphere
8. The outermost, rigid layer of the Earth
10. The plastic layer of mantle on which pieces of lithosphere move
11. The thin and solid outermost layer of the Earth above the mantle
14. The layer of rock between the Earth's crust and core