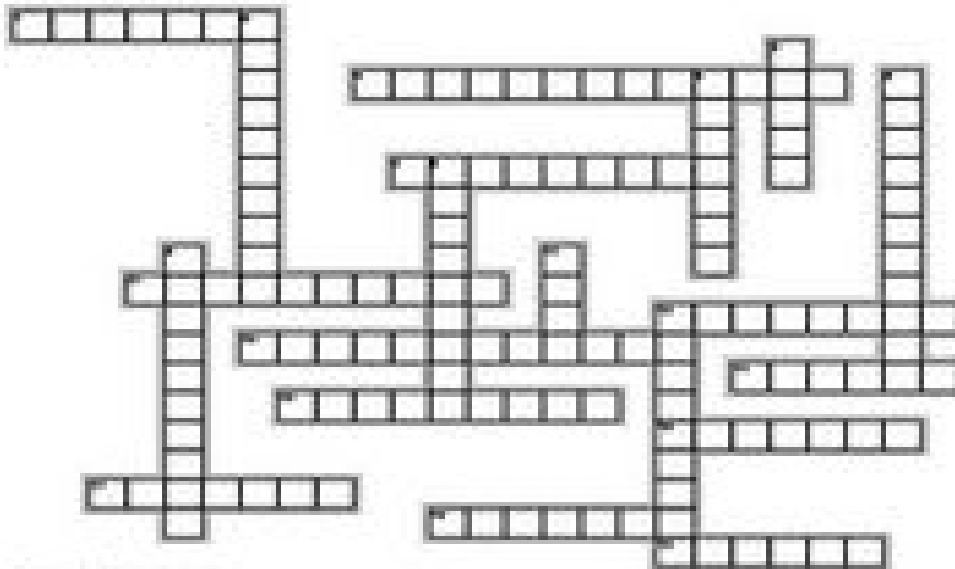


## Plate Tectonics

10/20/2023



Scanned with CamScanner

### Across

1. The bottom oceanic crust
4. Pacific island chain mostly isolated that contains geology and hot flow
5. Movement of the plate over Earth's surface is termed plate \_\_\_\_\_
11. The edge where two plates meet
12. Deepest part of the ocean
13. Device capable of measuring the magnetic field intensity
14. Midway of the lithosphere
15. Boundaries where the two plates move away from each other
16. These seismic waves cannot travel through liquid
17. Meaning of earth in ancient Greek
18. Proposed that the continents were once united into a single supercontinent
18. The upper of the Earth's core, ultramafic rock, and represents about 60% of Earth's mass

### Down

2. The process occurs at the seismic trenches
3. The Earth's core is less than 1% of Earth's mass
6. Many chains of hot spots that flow through the mantle
7. Composed of both the crust and the portion of the upper mantle that behaves as a single, rigid unit
8. The path on Earth's surface directly above the area where the subduction occurs
9. Boundaries where the two plates move towards each other
10. This type of the Earth is mostly iron-nickel, and makes up about 31% of the Earth
14. Boundaries where the two plates slip past each other