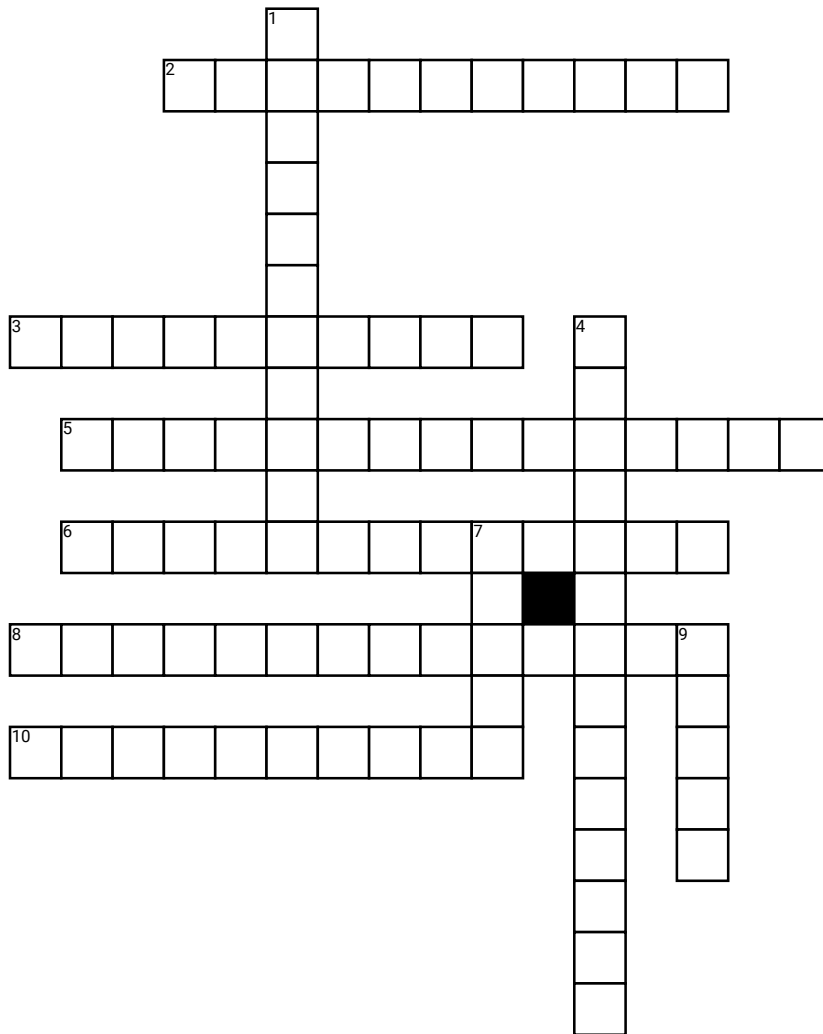


# Plate Tectonics Crossword Puzzle - By Jaelyn Feebish



## **Across**

2. Vibrations that travel through Earth carrying the energy released during an earthquake.
3. The strong, lower part of the mantle between the asthenosphere and the outer core.
5. The process where gravity pulls high density materials towards Earth's center and pushes low density materials towards the surface.
6. The soft layer of the mantle on which the lithosphere floats.
8. Lithosphere, Asthenosphere, Mesosphere, Outer Core, and the Inner Core.

## **Word Bank**

Mesosphere  
Seismic Wave  
Differentiation

Lithosphere  
Plate Tectonics  
Asthenosphere

10. An area on Earth's surface where no direct seismic waves from a particular earthquake can be detected.

## **Down**

1. The solid, rigid layer made up of the uppermost part of the mantle and the crust.
4. State that Earth's lithosphere is broken into huge, moving slabs of rock driven by motions in the mantle.
7. Waves that squeeze rock in the same direction the wave is traveling. Travels through all matter.
9. Waves that move rock side to side. Travels only through solids.