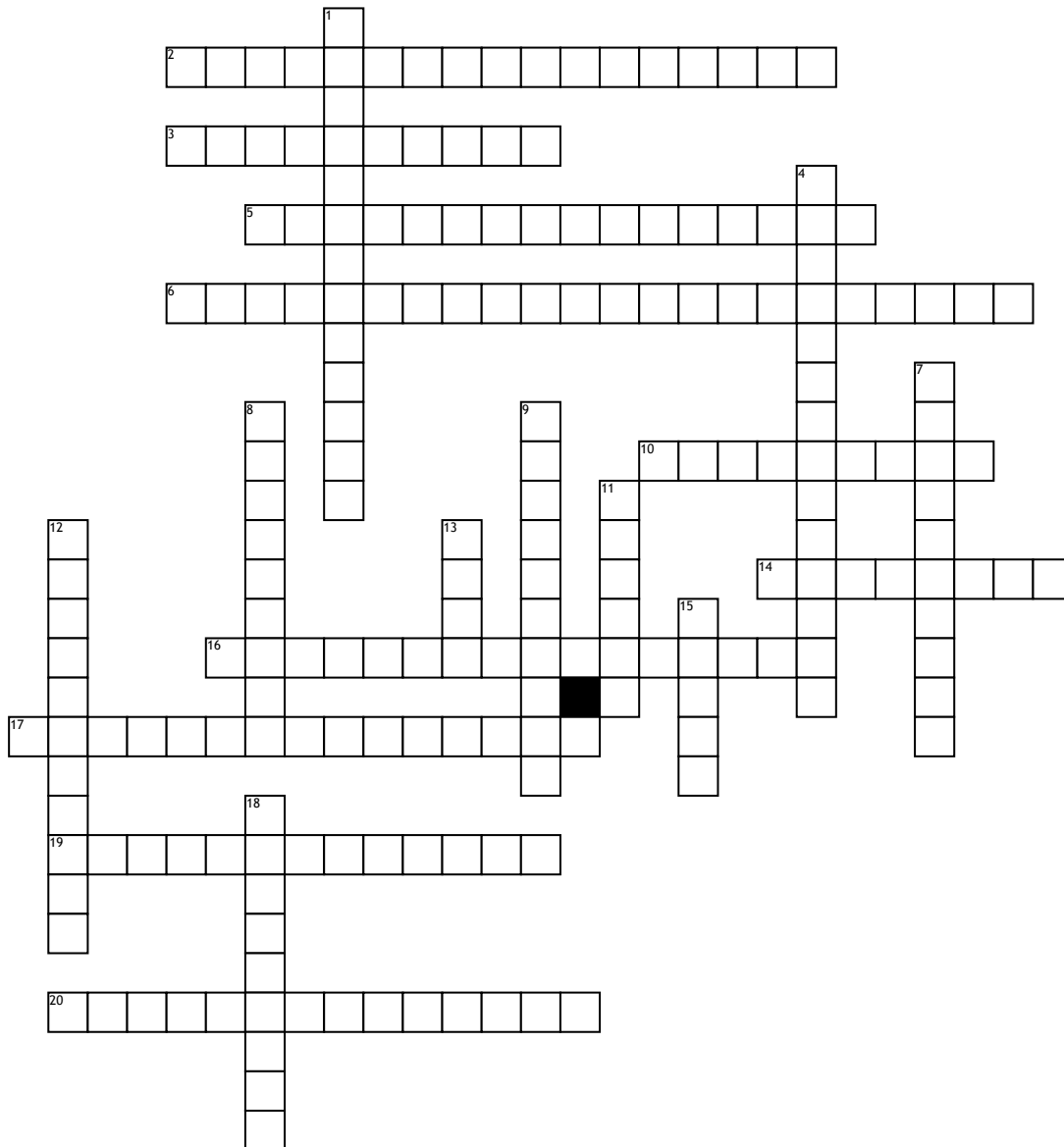


# Science Vocab Crossword Puzzle



## Across

2. The movement of fluid in the mantle caused by differences in density and temperature that transfers heat from one part of the fluid to another.
3. An area of Earth's surface where no direct seismic waves from a particular Earthquake can be detected.
5. The breakdown of unstable materials into stable materials. This process helps to heat the Earth.
6. States that Earth's lithosphere is broken into huge, moving slabs of rock driven by motions in the mantle.
10. When the forces of gravity move a plate downward away from the ridge.
14. The pulling of a tectonic plate as its edge subducts deep into the mantle.

16. The hypothesis that today's continents were once part of a single landmass and drifted to their present-day location.

17. Process where gravity pulls high-density materials toward Earth's center and pushes low-density materials towards the surface.

19. The soft layer of the mantle on which the lithosphere floats.

20. The lithosphere, asthenosphere, mesosphere, outer core, and the inner core

## Down

1. Vibrations that move rock side to side and can only travel through solids.

4. Solid chunks of mantle rock that makes it to Earth's surface during a volcanic eruption.

7. The part of Earth's mantle that sits below the asthenosphere and the lithosphere but above the outer core.

8. A layer of molten iron and nickel that surrounds the inner core of Earth.

9. The process by which oceanic crust sinks beneath a deep ocean trench and back into the mantle at a convergent plate boundary.

11. The layer of Earth that contains silicate materials with more dense elements. It sits between the crust and the core.

12. Vibrations that travel through Earth's carrying the energy released during an Earthquake

13. The central part of Earth below the mantle, containing very dense elements such as iron and nickel.

15. Earth's outermost layer made up of primarily low-density materials called silicates.

18. A dense sphere of solid iron and nickel at the center of the Earth.