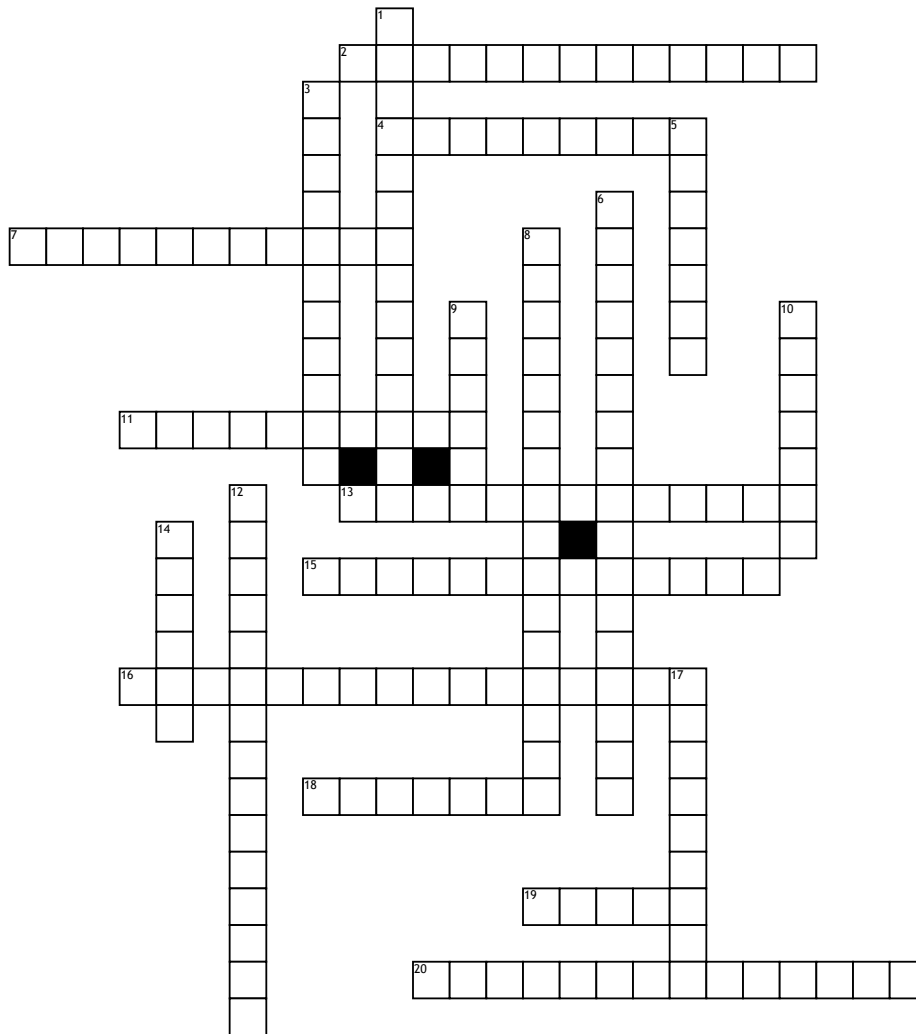


Plate Tectonics



Across

2. Scientist who hypothesized that all the continents were one joined together in a single land mass.

4. the branch of geology studying the folding and faulting of the earth's crust

7. A rigid layer made up of the uppermost part of the mantle and the crust.

11. the process by which one tectonic plate sinks below another, returning to the mantle.

13. The soft layer of the mantle on which the lithosphere forms.

15. a system of connected underwater mountain ranges that run throughout the world's oceans.

16. a very long narrow elevation on the ocean floor that runs all the way from Iceland in the North Atlantic to Bouvet Island in the South Atlantic

18. location in the mantle that is hotter than any other areas and that melts rock, which is forced up toward the crust as magma.

19. A break in the Earth's crust

20. waves that travel outward from an earthquake's focus and move through Earth by causing particles in rocks to vibrate at right angles to the direction of the wave.

Down

1. a geological science that studies the movements and nature of the earth's crust.

3. the act of coming closer.

5. subject to or caused by an earthquake or earth vibration

6. the process by which new oceanic crust forms when magma rises up and solidifies at the mid-ocean ridges.

8. the theory that the continents of today formed when Pangaea broke up and moved or drifted to their present-day locations

9. a long, narrow, very deep depression

10. When all of Earth's continents were joined together.

12. movement resulting from or causing deformation of the earth's crust.

14. A trace of an ancient organism that has been preserved in rock.

17. point of Earth's surface directly above an earthquake's focus

Word Bank

epicenter

plate tectonics

Alfred Wegener

lithosphere

trench

asthenosphere

fossil

seismic

convergence

tectonics

secondary waves

crustal movement

Mid-Atlantic Ridge

continental drift

Mid-Ocean Ridge

Pangaea

Fault

subduction

hot spot

seafloor spreading