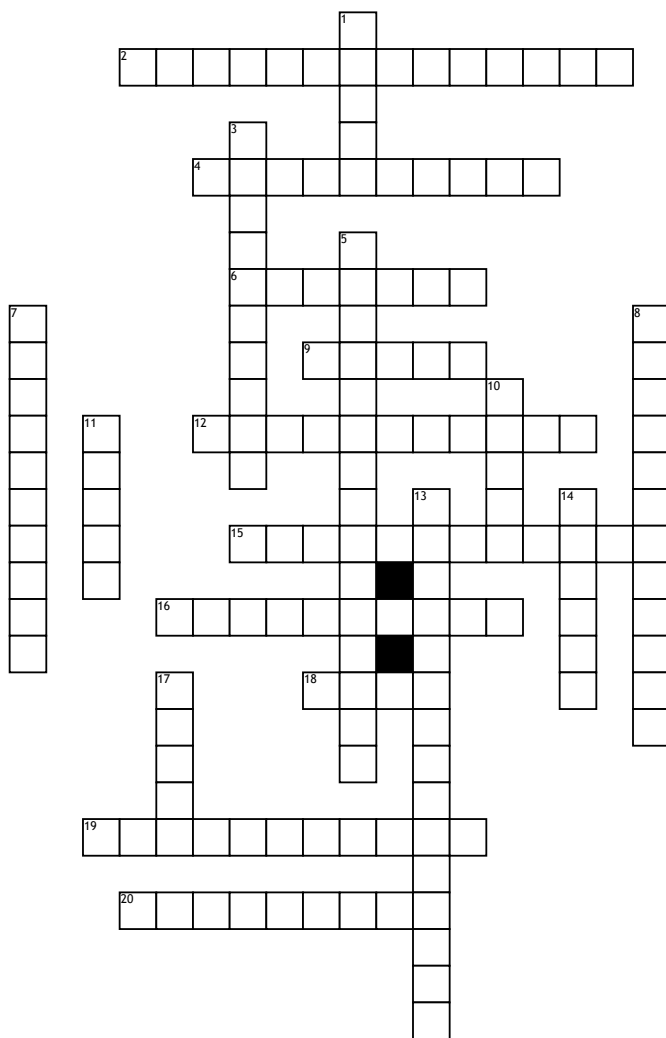


Plate tectonics



Across

2. The theory that explains how the outer parts of Earth change through time and that explains the relationships between continental drift, sea floor spreading, seismic activity, and volcanic activity
4. The process in material is laid down
6. A natural, usually inorganic solid that has a characteristic chemical composition, an orderly internal structure and a characteristic set of physical properties
9. A crack in earth created when rocks on either side of a break move
12. Rock that forms when magma cools and solidifies
15. A scale that expresses the magnitude of an earthquake

16. The process by which one lithosphere plate moves beneath another as a result of tectonic forces

18. The center part of earth below the mantle

19. The solid, outer layer of earth that consists of the crust and the rigid upper mantle

20. The point on earth's surface directly above an earthquake's focus

Down

1. an opening at the surface of earth through which volcanic material passes
3. The study of earthquakes including their origin, propagation, energy, and prediction

5. A rock that forms from other rocks as a result of intense heat, pressure, or chemical processes

7. The natural process by which atmospheric and environmental agents

8. A seismic wave that can move only through solids

10. The area along a fault at which the first motion of earthquakes occurs

11. liquid rock produced under Earth's surface

13. A rock formed from compressed or cemented layers of sediment

14. The layer of rock between Earth's crust and core

17. The thin and solid outermost layer of earth above the mantle

Word Bank

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|------------------|------------------|-----------------|-----------|---------------|
| Metamorphic Rock | core | Subduction | epicenter | mineral |
| Richter Scale | Deposition | Plate Tectonics | mantle | Lithosphere |
| seismology | fault | Weathering | Magma | Surface Waves |
| Igneous rock | sedimentary rock | Crust | focus | Vents |