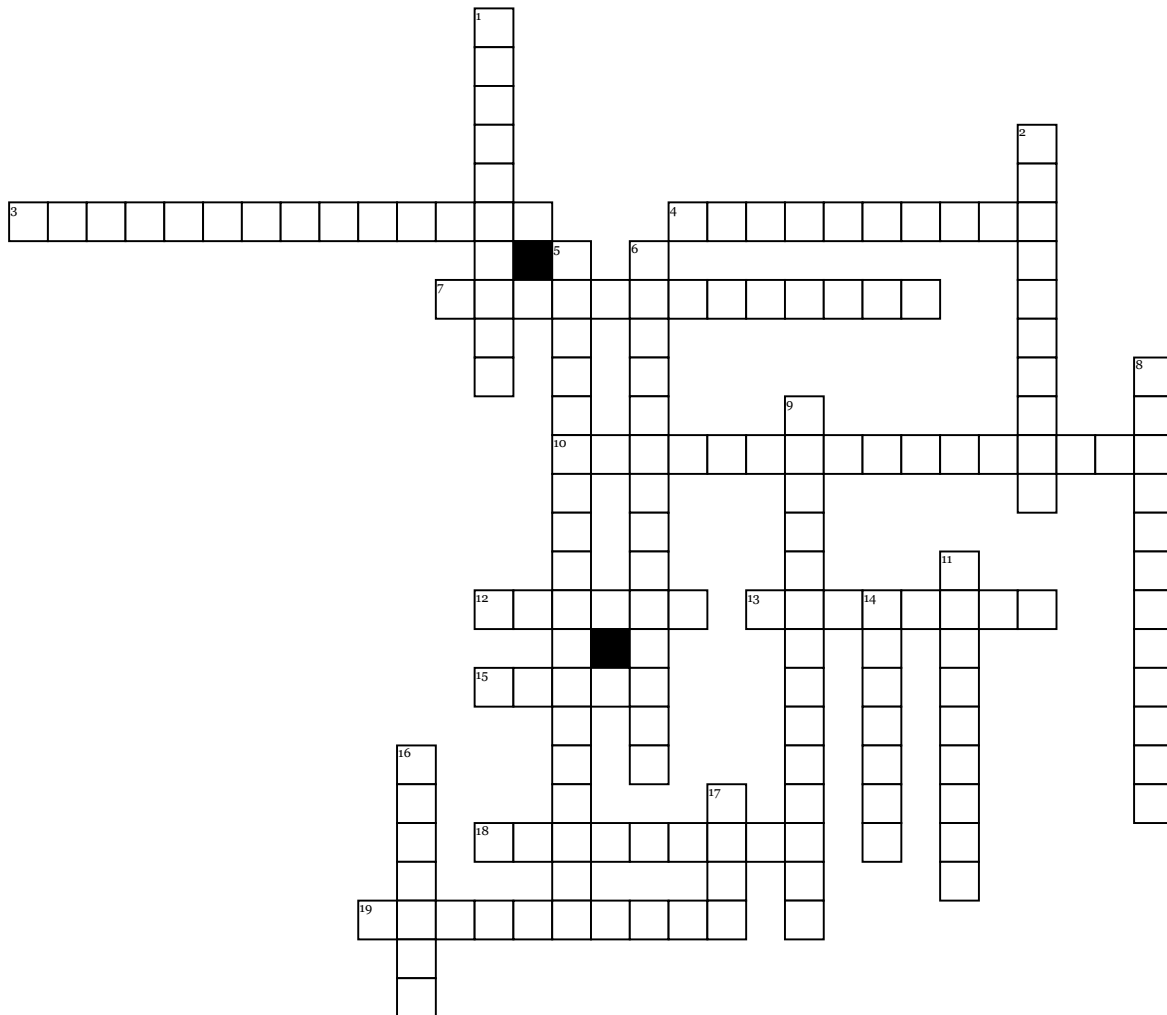


Layers of the Earth



Across

- 3.** the theory that explains how large pieces of Earth's top layer, called tectonic plates, move and change shape
4. a dinosaur that lived long ago and its fossils were found on different continents far apart proving the continental drift hypothesis
7. chains of underwater mountains that run through the Earth's basins
10. the hypothesis that says the continents were one a single land mass, then they broke up and drifted to their present day locations
12. the middle layer of the Earth below the crust and above the core, is chemical and the largest layer
13. a substance made of atoms of 2 or more elements joined by chemical bonds

15. the topmost thin and solid layer of the Earth above the mantle, what we live on, is chemical

18. the solid very center of the Earth that is made of iron and nickel causing it to be the heaviest and most dense layer, is physical

19. the solid outer layer of the Earth that is the bottom of the crust and the top of the mantle, is rigid and physical

Down

1. causes the oceanic lithosphere to move sideways and away from the mid-ocean ridge

2. the strong lower part of the mantle below the asthenosphere and above the outer core, is physical

5. a current in fluid that is a result of convection

6. blocks of the lithosphere that consist of the crust and the ridged, outermost part of the mantle

8. the layer of the Earth below the lithosphere in the upper mantle that the tectonic plates move on, is physical

9. tectonic plates spread apart then magma comes through and solidifies, the solid magma becomes new crust and the old crust is pushed away

11. is liquid and surrounds the inner core made up mostly of iron is said to cause Earth's magnetic field, is physical

14. what we call the predicted land mass from 245 million years ago based on modern science and the continental drift hypothesis

16. the ratio of the mass to the volume of an object

17. the center most layer of the Earth below the mantle, has two parts, is chemical