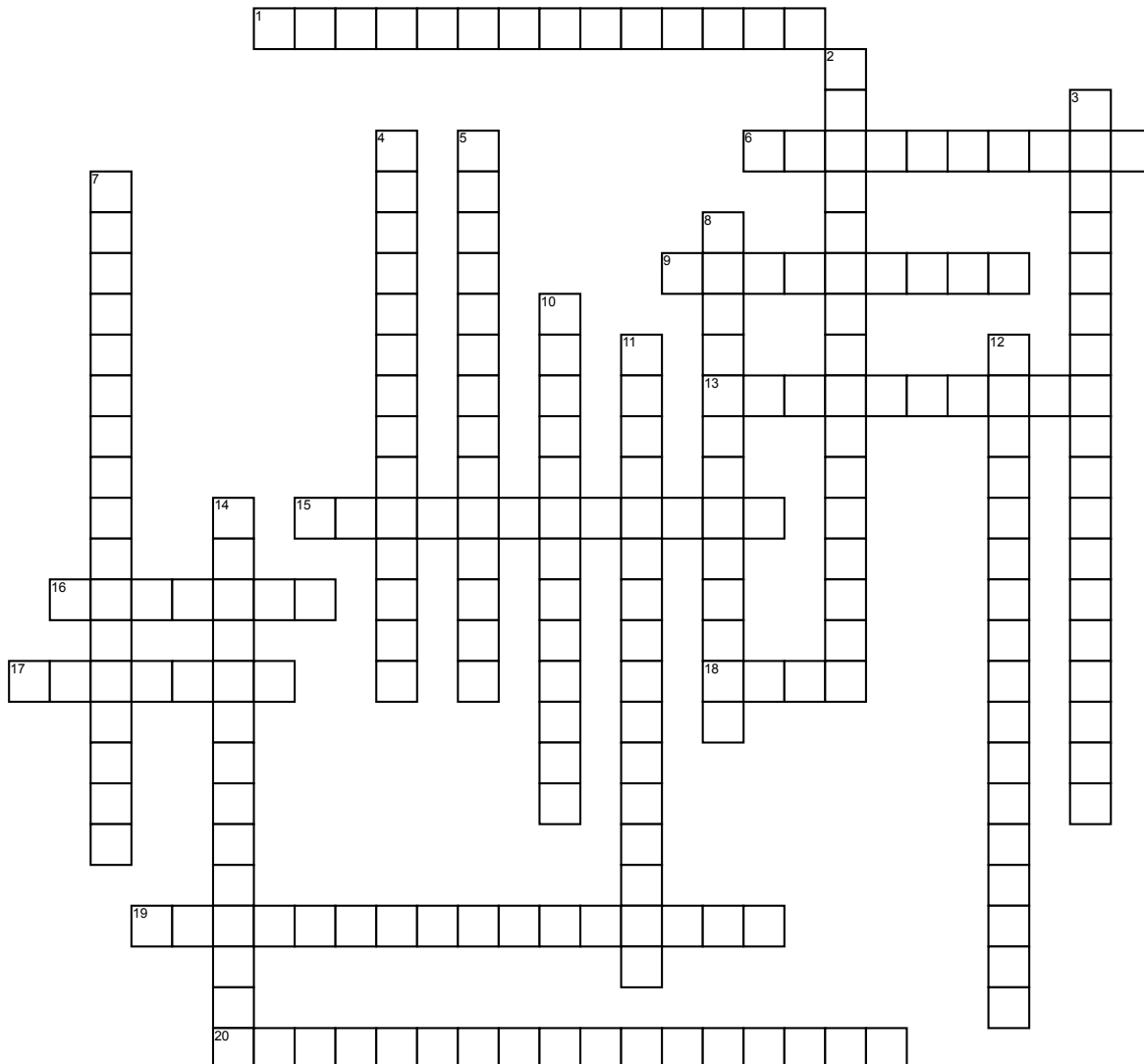


Name: _____

Date: _____

Plate Tectonic Vocab- Earth Systems



Across

1. the assembly of most or all of Earth's continental blocks or cratons to form a single large landmass

6. movement caused within a fluid by the tendency of hotter and therefore less dense material to rise, and colder, denser material to sink under the influence of gravity

9. curved chain of volcanic islands located at a tectonic plate margin (at the edge).

13. sudden and violent shaking of the ground

15. the layer of granitic, sedimentary and metamorphic rocks which form the ocean floors

16. mountain or hill, having a crater or vent through which lava, rock fragments, hot vapor, and gas are being or have been erupted

17. hypothetical supercontinent that included all current land masses, believed to have been in existence before the continents broke apart during the Triassic and Jurassic Periods.

18. linear zone where the Earth's crust and lithosphere are being pulled apart

19. a theory that explained how continents shift position on Earth's surface.

20. the formation of new areas of oceanic crust, which occurs through the upwelling of magma at midocean ridges

Down

2. the layer of granitic, sedimentary and metamorphic rocks which form the continents

3. two (or more) tectonic plates or fragments of the lithosphere move toward one another and collide.

4. branch of geophysics concerned with magnetism in rocks

5. These boundaries mark the collision between two of the planet's tectonic plates

7. a type of fault that moves away from each other horizontally.

8. the upper layer of the earth's mantle, below the lithosphere

10. an underwater mountain range, formed by plate tectonics.

11. two tectonic plates that are moving away from each other

12. a major area in the basin of the Pacific Ocean where a large number of earthquakes and volcanic eruptions occur.

14. theory explaining the structure of the earth's crust