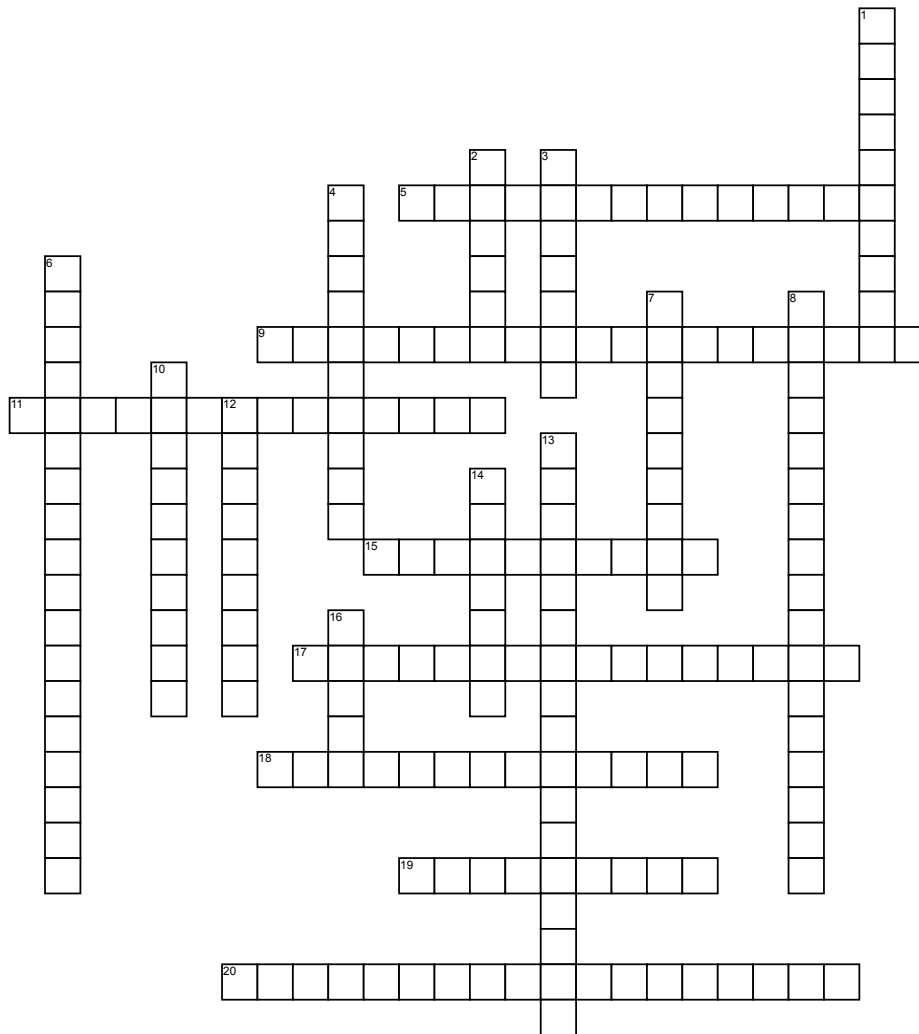


Name: _____

Tectonic Plate Crossword Puzzle



Across

- 5. What describes large scale movements of the Earth's lithosphere?
- 9. When two plates move away from each other this is called...
- 11. The lithosphere is divided into...
- 15. A major belt of volcanoes that rims the Pacific Ocean.
- 17. The slow creeping motion of Earth's solid silicate mantle.
- 18. What is a layer of weak or soft mantle that is made of rock?
- 19. The transfer of energy through an empty space.

- 20. The movement of a fluid, caused by differences in temperature, that transfers heat from one part of the fluid to each other.

Down

- 1. What is the outermost rigid layer of earth?
- 2. What is located between the core and the crust?
- 3. The measure of how much mass there is in a volume substance.
- 4. A deep valley that forms where two plates move apart.
- 6. A plate boundary where two plates move towards each other.

- 7. A layer of molten metal that...
- 8. A boundary at which two plates move past each other horizontally is called a...
- 10. Heat transfer by direct contact of particles of matter.
- 12. A dense ball of solid metal.
- 13. What explains the age and magnetic patterns of sea floor rocks?
- 14. The name if young German scientist who was curious about the relationship of the continents.
- 16. A break in Earth's crust.

Word Bank

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|--------------------|-----------------|---------------------|----------------------|
| FAULT | RADIATION | MANTLE CONVECTION | WEGENER |
| DENSITY | INNER CORE | ASTHENOSPHERE | SEA FLOOR SPREADING |
| TRANSFORM BOUNDARY | MANTLE | CONVECTION CURRENTS | CONVERGENT BOUNDARY |
| PLATE TECTONICS | RIFT VALLEY | RING OF FIRE | DIVERGENT BOUNDARIES |
| OUTERCORE | TECTONIC PLATES | Lithospere | CONDUCTION |