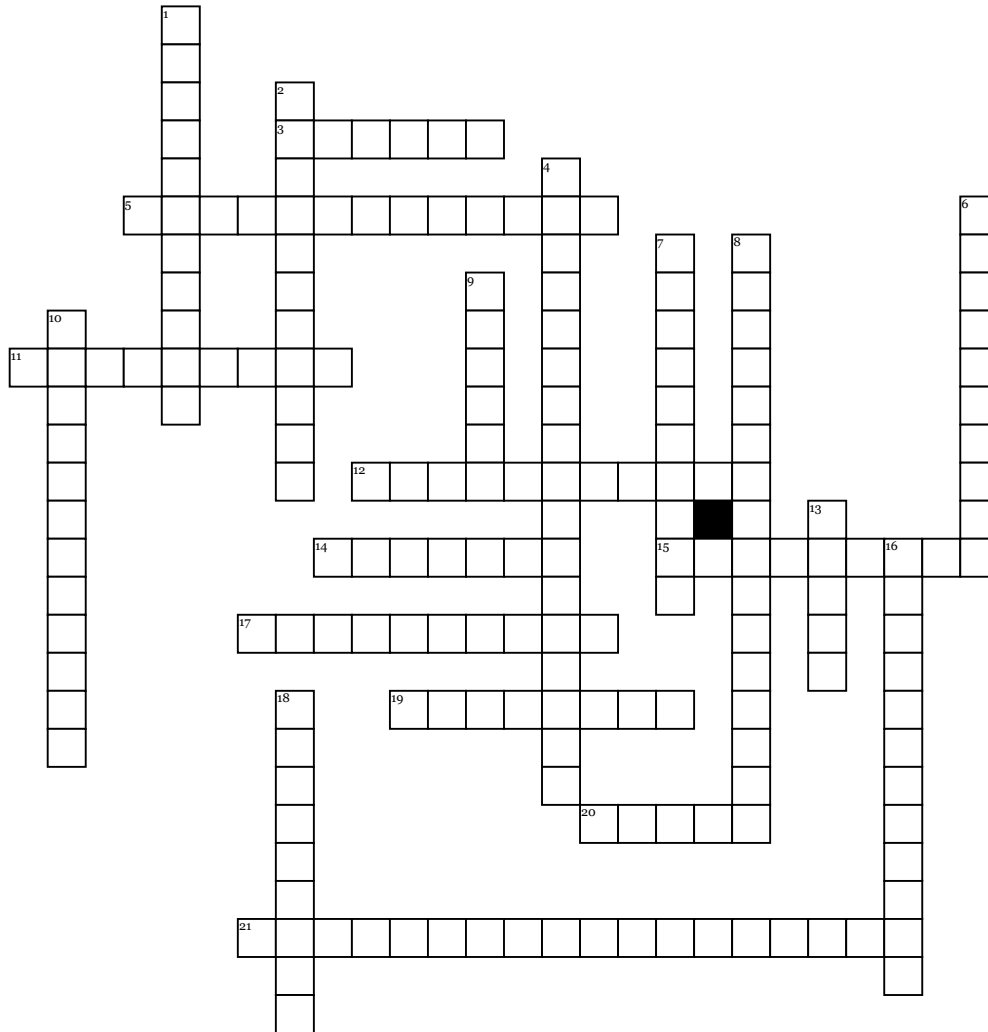


Name: _____

Date: _____

Earth's Layers and Plate Tectonics



Across

3. What is a hypothetical supercontinent that included all current land masses?

5. What is plastic-like viscous rock; more solid closer to core?

11. What is the boundaries where two of those plates are moving away from each other?

12. Which mantle is composed chiefly of magnesium- and iron-bearing silicates?

14. What is formed when hot molten rock, ash and gases escape from an opening in the Earth's surface?

15. What is the third layer of earth?

17. What boundaries form when two crustal plates are colliding?

19. What is a wave caused by an earthquake, submarine landslide, or other disturbance called?

20. What is a term for fracture or a break in the ground?

21. What are the circular patterns that arise from the unequal heating and cooling of a fluid (gas or liquid)?

Down

1. What is the solid outer section of Earth?

2. Earthquake waves travel at a slower speed prior to reaching this boundary?

4. What boundary is a fault zone where two plates slide past each other horizontally?

6. What are more likely to occur along active plate boundaries?

7. What boundaries mark the collision between two of the planet's tectonic plates?

8. Which crust layer on earth is thick?

9. Which of the earth's layers consists of molten rock?

10. Which layer is composed mostly of silicate rocks rich in magnesium and iron?

13. What is the outer layer of the earth?

16. Which crust layer on earth is thinner?

18. Which of earth's layer is made only of solid iron?

Word Bank

subduction

crust

continental crust

earthquake

transform boundary

pangea

asthenosphere

upper mantle

lower mantle

lithosphere

oceanic crust

convergent

fault

mantle

volcano

convection currents

middle mantle

inner core

divergent

tsunamis

outer core