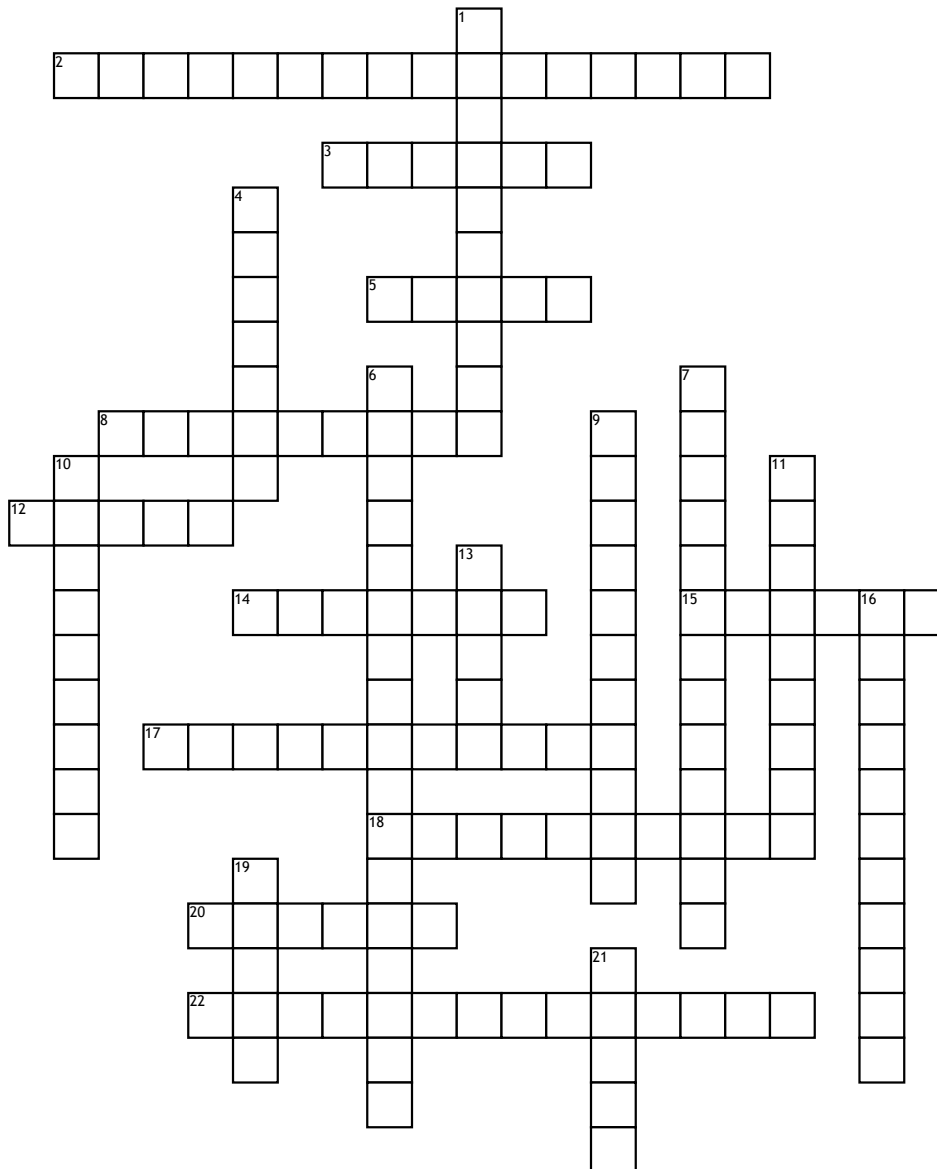


Name: _____

Date: _____

Plate Tectonics



Across

2. the theory proposed by the scientist Alfred Wegener that states the continents have gradually moved over time
 3. contains most of the Earth's volume; made of hot, dense rock that "flows"
 5. where the plates touch each other
 8. made of liquid mostly iron and nickel
 12. the thin coat of soil and water that make up the top layer of the Earth
 14. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are being or have been erupted from the earth's crust.
 15. The Mariana _____ is the deepest part of the ocean. It is formed by a convergent boundary between the Pacific Plate and the Mariana Plate.

17. a tool used to record the energy waves of earthquakes

18. the type of boundary that occurs when plates move into each other

20. the Earth is made of _____

22. According to the theory of _____, Earth's crust is composed of a number of individual plates that change shape and position over time

Down

1. When the plates move and the boundaries bump up against each other it can cause an _____.

4. the name given to the large supercontinent that was formed over 200 million years ago

6. what causes the plates to move

7. caused by the circulation of the liquid metal of the outer core moving around the inner core; makes a compass to work

9. a combination of the crust and the outer mantle

10. the type of boundary that occurs when plates are sliding against each other

11. the type of boundary that occurs when plates move away from each other
 13. Subduction takes place at convergent boundaries when one plate moves _____ another.

16. _____ plates are many times thicker than oceanic plates, but the rock is less dense

19. the lines where the plates meet

21. The inner core is made of _____ metal