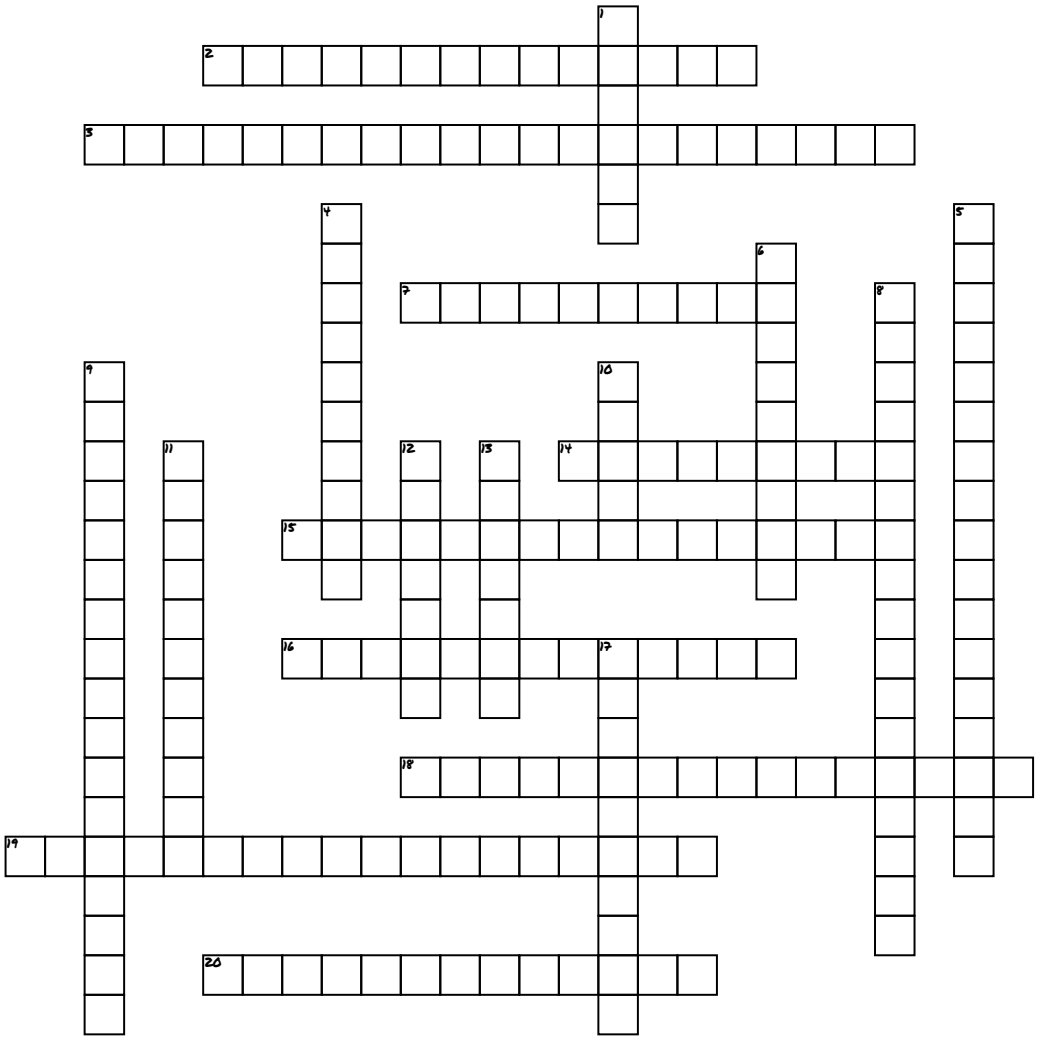
Name: _____ Date: _____ Period: _____

Plate Tectonics



Across

2. Pieces of Earth's crust and uppermost mantle
3. Knowledge of Earth's plates, the sea floor, and the asthenosphere
7. When one plate sinks beneath another
14. A layer of liquid metals that surrounds the inner core
15. Gradual movement of continents during geological time
16. Underwater mountain range formed by plate tectonics
18. switch in direction is called _____
19. occurs where plates push together
20. The upper layer of the Earth's mantle

Down

1. Earth's thickest layer
4. energy transfer by the movement of a material
5. occurs where plates scrape past each other
6. A ball of hot, solid metal
8. motion that transfers heat energy in a material
9. occurs when plates move apart
10. A thin layer of cool rock
11. Earth's crust and the very top of the mantle
12. heated rock rises in plumes, or thin columns, from the mantle
13. Supercontinent
17. as a ridges continue to widen a gap called _____ forms

Word Bank

Inner core	Outer core	Mantle	Crust
Lithosphere	Asthenosphere	Tectonic plates	Continental drift
Pangaea	Mid-ocean ridge	Convection	Convection current
Theory of plate tectonic	Divergent boundary	Convergent boundary	Transform boundary
Rift Valley	Magnetic reversal	Hot spot	Subduction