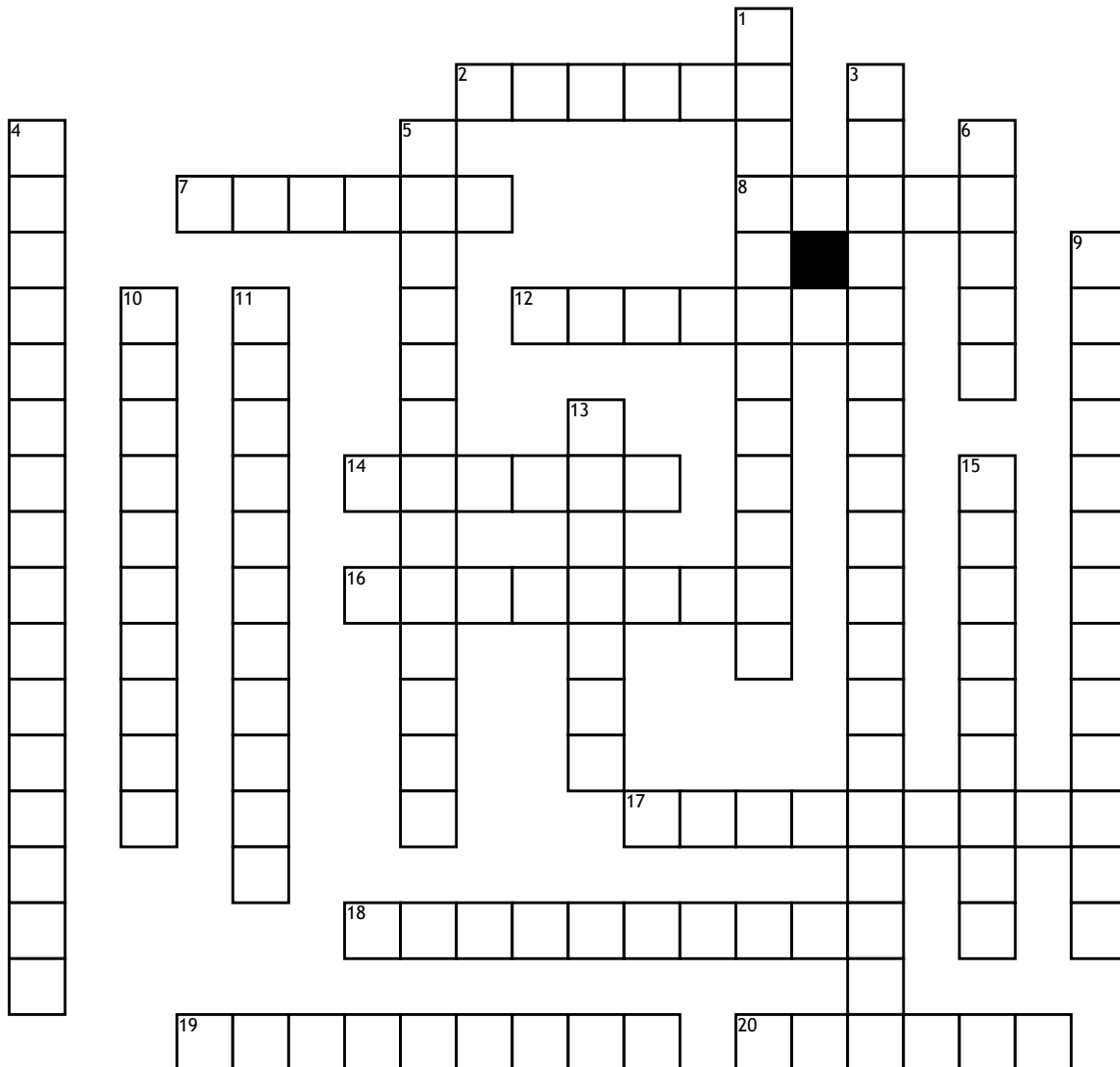


Name: _____

Date: _____

Plate Tectonics



Across

2. The layer of hot, solid material between Earth's crust and core.
 7. The trace or remains of an organism that lived long ago, most commonly preserved in sedimentary rock.
 8. A measuring instrument that sends out an acoustic pulse in water and measures distances in terms of the time for the echo of the pulse to return.
 12. A usually light colored igneous rock that is found in continental crust.
 14. Large super continent that existed 250 million years ago.
 16. The result of a force distributed over an area.
 17. A layer of molten iron and nickel that surrounds the inner core of Earth.

18. The transfer of heat by the movement of a fluid.

19. The transfer of energy through space.

20. A dark, dense, igneous rock with a fine texture, found in oceanic crust.

Down

1. Vibrations that travel through Earth carrying the energy released during an earthquake.

3. Circular currents in the mantle caused by the magma being heated by the core off the Earth.

4. The hypothesis that the continents slowly move across Earth's surface.

5. An underwater mountain chain where new ocean floor is formed.

6. The layer of rock that forms Earth's outer surface.

9. The soft layer of the mantle on which the lithosphere floats

10. The direct transfer of heat from one substance to another substance that it is touching.

11. The solid, outer layer of the earth that consists of the crust and the rigid upper part of the mantle.

13. The amount of matter in a given space; mass per unit volume.

15. A dense sphere of solid iron and nickel at the center of Earth.