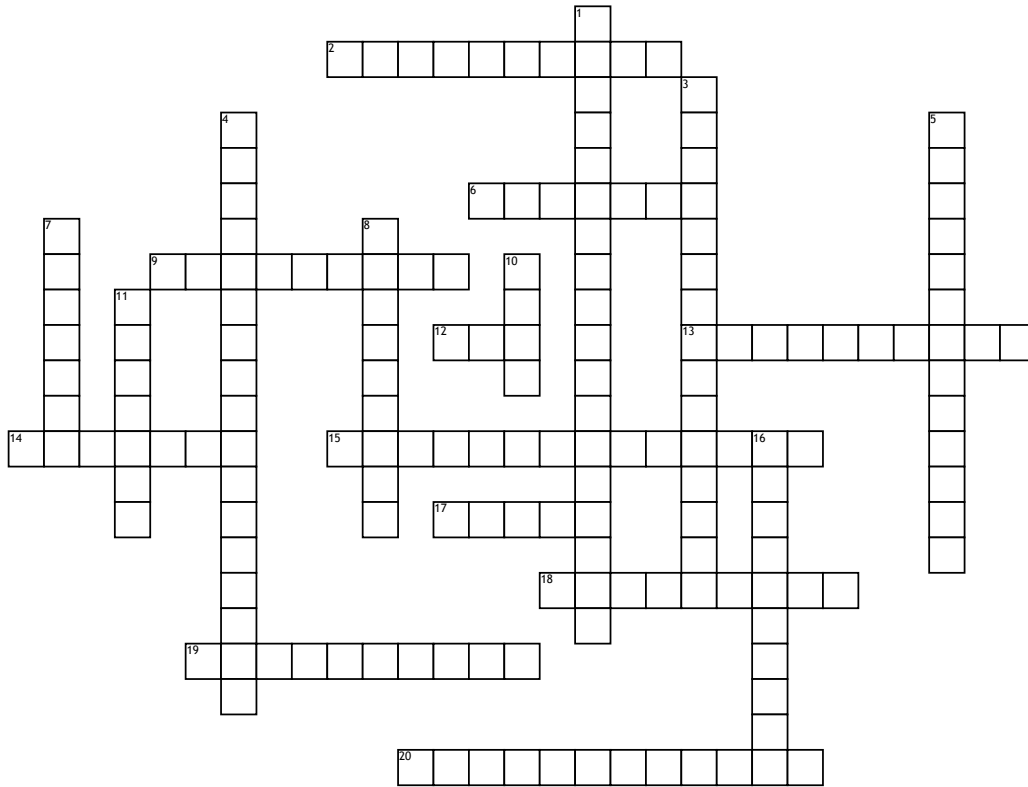


Name: _____

Date: _____

Weather



Across

2. The process by which heat is transferred between objects that are touching.

6. A body of air or water moving in a definite direction.

9. The boundary between an advancing warm air mass and a receding cooler air mass

12. A star that is the basis of the solar system and that sustains life on Earth, being the source of heat and light.

13. The whole mass of air surrounding Earth; made up of 78% nitrogen, 21% oxygen, and other trace gases.

14. The state of the atmosphere at a given location over a specific period of time.

15. The apparent deflection of moving air as seen by an observer on Earth; a result of Earth's rotation.

17. Two opposite points on the Earth through which the axis passes through.

18. A narrow band of very strong air currents that move from west to east.

19. A map or chart that shows the weather conditions at a specific point in time over a specific region.

20. A continuous, directed movement of ocean water generated by the forces acting upon this mean flow, such as breaking waves and wind.

Down

1. An air mass with greater atmospheric pressure than the surrounding air masses; air moves away from the center of the high pressure, traveling in a clockwise direction in the northern hemisphere and a counter-clockwise direction in the southern hemisphere

3. A boundary between a warm and a cold air mass that is moving very slowly or not moving at all.

4. An air mass with less atmospheric pressure than the surrounding air masses; air moves toward the low pressure center, traveling in a counter-clockwise direction in the northern hemisphere and a clockwise direction in the southern hemisphere.

5. A boundary between a warm air mass and two cold air masses in which the cold air masses overtake and push the warm air mass upward.

7. The weather conditions in an area over a long period of time.

8. The border between an advancing mass of cold air and a receding mass of warmer air

10. A natural movement of air, sometimes with considerable force, from an area of high density and pressure to an area of low density and pressure.

11. An imaginary line drawn around the Earth equally distant from the north and south pole, dividing the Earth into two halves (hemispheres).

16. Heat transfer caused by the rising of hotter, less dense fluids and the falling of cooler, more dense fluids.

Word Bank

Low Pressure System
Coriolis Effect
Stationary Front
Occluded Front
Warm Front

Climate
Conduction
Ocean Current
Equator
Weather

High Pressure System
Convection
Poles
Current
Cold Front

Jet Stream
Wind
Atmosphere
Sun
Weather Map