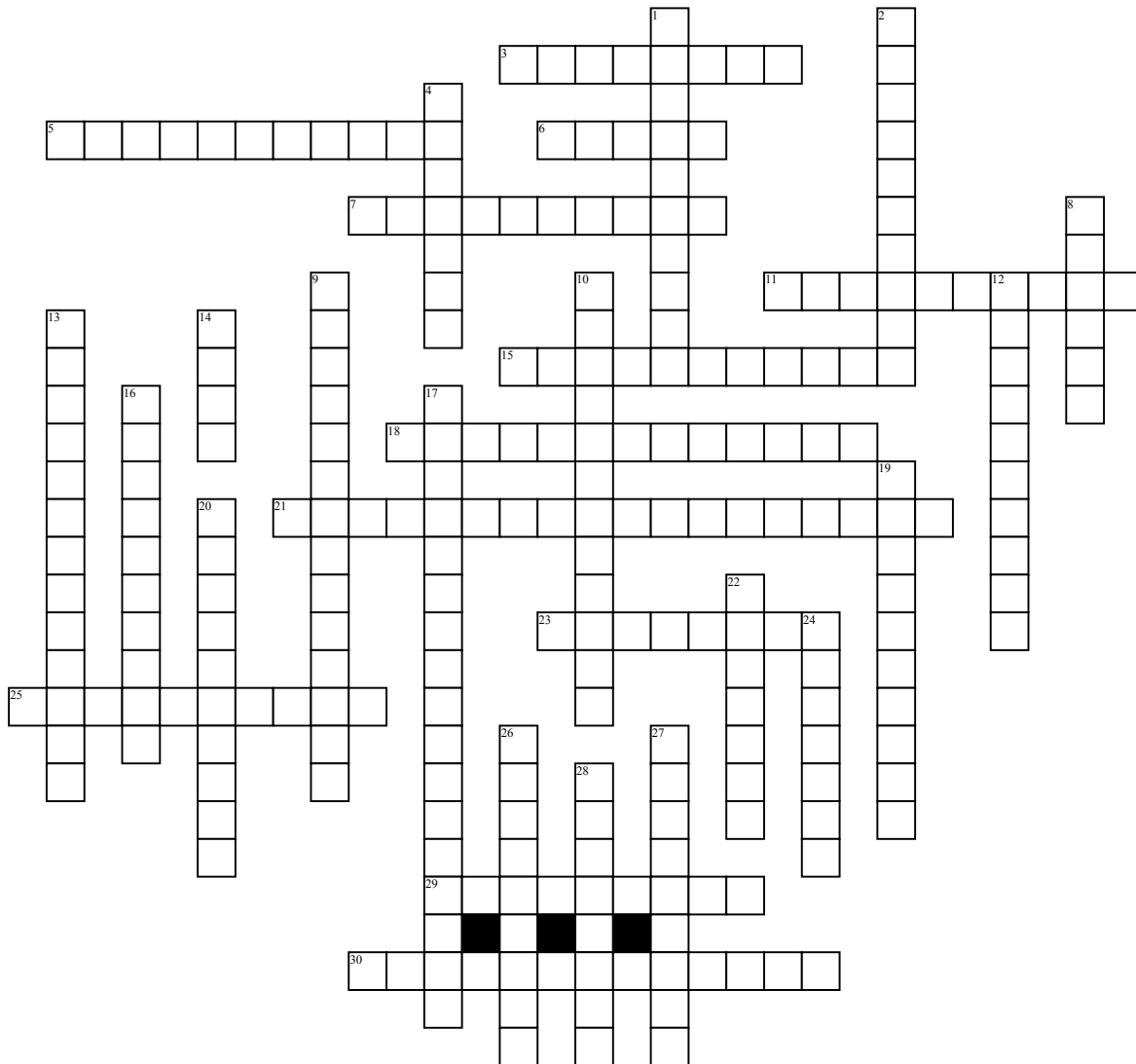


Name: _____

Date: _____

Weather unit



Across

3. A violent winter storm characterized by freezing temperatures, strong winds, and blowing snow
 5. The atmospheric layer closest to Earth's surface
 6. A boundary between two air masses
 7. The series of natural processes by which water continually moves throughout the hydrosphere
 11. Water in its gaseous form
 15. The pressure that a column of air exerts on the air or a surface below it
 18. Detailed computer programs that solve a set of complex mathematical formulas
 21. A large body of circulating air with high pressure at its center and lower pressure outside of the system.
 23. Temperature at which air is saturated and condensation can occur
 25. The transfer of thermal energy due to collision between particles
 29. Whether circulating air motions will be strong or weak

30. Water, in liquid or solid form, that falls from the atmosphere

Down

1. The area of the stratosphere with a high concentration of ozone
 2. A region within the mesosphere and thermosphere that contains ions
 4. The atmospheric conditions, along with short term changes, of a certain place at a certain time
 8. Lines that connect all places on a map where pressure has the same value
 9. A description of wind, temperature, and humidity conditions above Earth's surface
 10. The atmospheric layer directly above the troposphere
 12. A thin layer of gases surrounding Earth
 13. A description of a set of weather measurements made on Earth's surface
 14. The movement of air from areas of high pressure to areas of low pressure

16. Steady winds that flow from east to west between 30 degrees north latitude and 30 degrees south latitude
 17. A large body of circulating air with low pressure at its center and higher pressure outside of the system
 19. Steady winds that flow from west to east between latitudes 30 degrees North and 60 degrees North, and 30
 20. The transfer of thermal energy by the movement of particles from one part of a material to another
 22. A large area of air that has uniform temperature, humidity, and pressure
 24. A violent, whirling column of air in contact with the ground
 26. The transfer of thermal energy by electromagnetic waves
 27. An intense tropical storm with winds exceeding 185 km/hr
 28. The amount of water vapor in the air