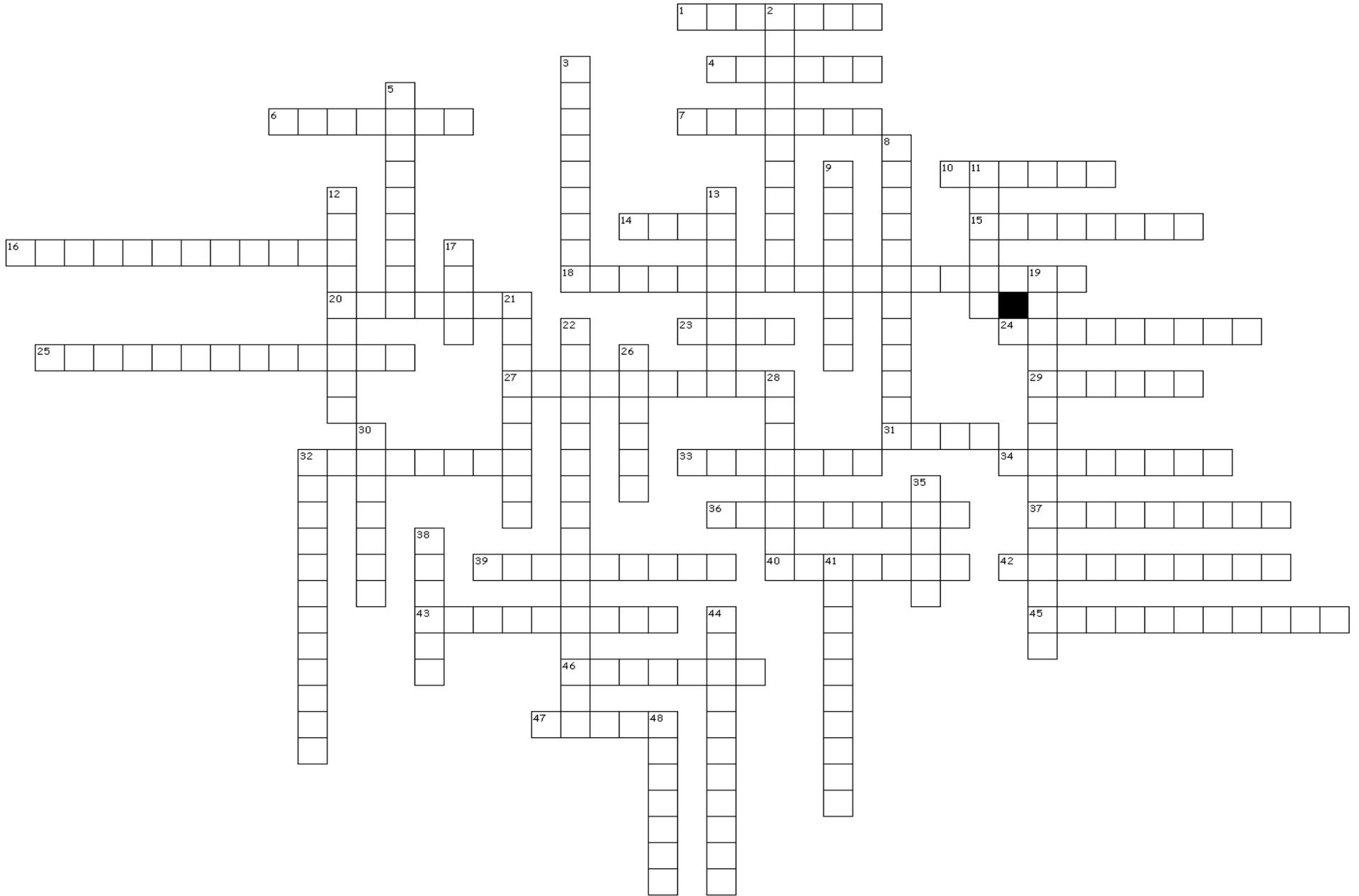


Weather Review



Across

1. The low level clouds that blanket the sky
4. High level clouds
6. The degrees that can be added to the heat index if in the sunlight
7. The warm air that rushes upward in a thunderstorm
10. The minutes of the average life cycle of a thunderstorm
14. Precipitation that is made up of layers of ice developed through repeated lifting in the atmosphere
15. The temperature at which the air will become saturated
16. When water changes from vapor to liquid droplets
18. The currents that circulate the oceans
20. Large fluffy midlevel clouds
23. The result of uneven heating of the earth
24. The perceived hotness that factors in relative humidity
25. The water that falls from the sky
27. The top layer of the ocean where sunlight is most prevalent
29. The critical ingredient needed for cloud formation and precipitation
31. Precipitation made up of crystallized water vapor
32. The shortest and longest days of the year
33. The days of the year when the sunlight and darkness equal each other
34. Precipitation that is super-cooled so that it instantly freezes when it lands
36. The unit of measurement used for air pressure
37. The cold air in a thunderstorm that pushes down
39. The type of energy that the sun emits to warm our planet
40. The impact created by the 23.5 degree tilt of the earth's axis
42. The layer of the atmosphere that creates the auroras in the northern sky
43. The instrument that measures air pressure
45. The lowest level of the atmosphere
46. The acoustical effect of lightning
47. The precipitation that is composed of frozen ice pellets

Down

2. The "weight" of the atmosphere above us creates this
3. The phenomenon that occurs due to build up static electricity
5. The currents of fast moving air that circle the globe, fueling much of our weather patterns
8. The type of cloud that contains a large amount of moisture
9. The factor besides temperature that drives the great ocean conveyor

11. The air cell that circulates around the equator
12. The perceived coldness derived by taking into consideration the wind speed
13. The most dangerous part of a thunderstorm
17. The standard time that is based on the time in Greenwich, England
19. The top speed of the winds in the center of the jet stream
21. The type of thunderstorm that spawns the most severe weather
22. The Koppen climate category Illinois is in
26. The cell of air that rotates over mid-latitudes
28. The deflection of wind created by the rotation of the earth
30. The average weather that occurs over a long period of time in one area
32. The layer above the troposphere
35. The boundary between cold and hot air
38. A line on a map that connects areas of equal pressure
41. The blanket of gases that surround the earth
44. The steep drop in temperature the further you descend in the ocean
48. The rotational winds that are generated by severe pressure gradients and can be extremely damaging