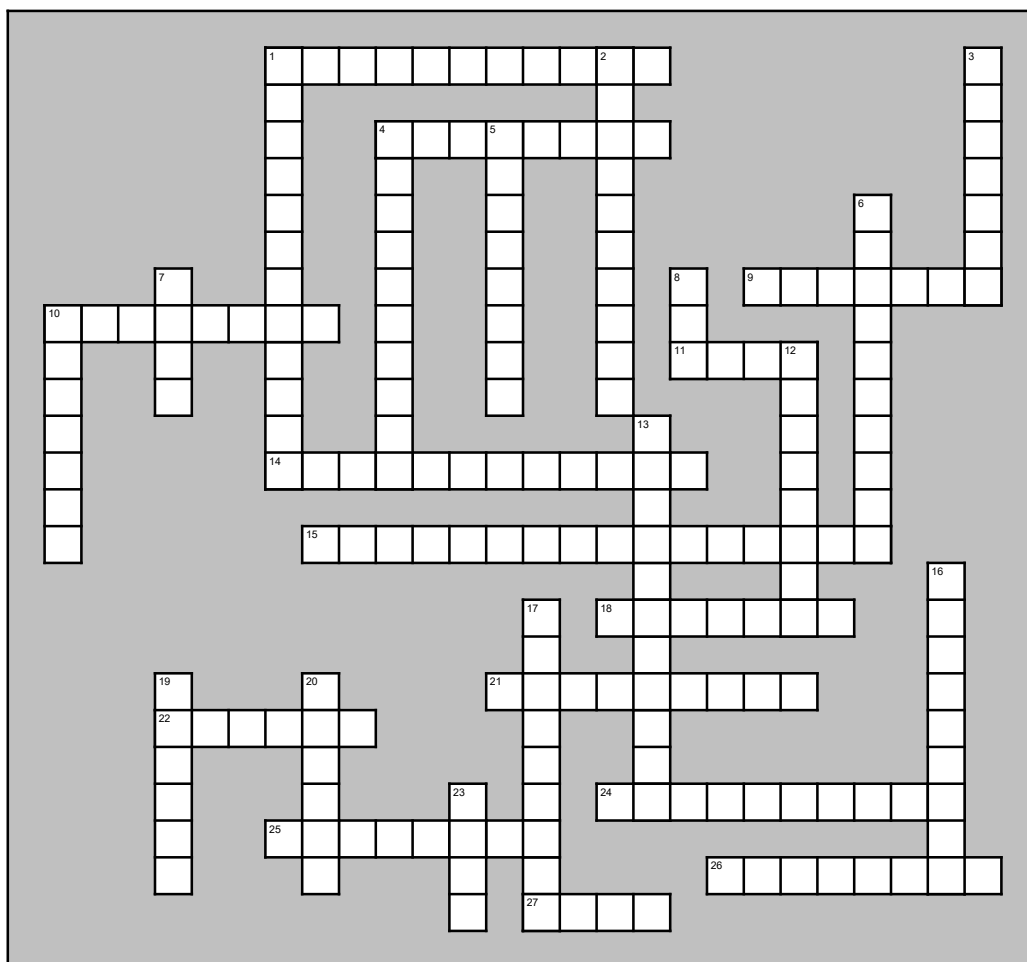


# Crossword



## Across

1. Dry air mass (over land).
4. Front when two fronts move in the same direction, but one overtakes the other.
9. Layered clouds; lower altitude.
10. Effect due to Earth's rotation that curves wind (to the right in N. Hemisphere).
11. Fronts with warm air masses moving into a region of cold air, having gradual profiles.
14. Factor where land heats/cools faster than water which changes wind direction.
15. The ratio of moisture in the air compared to the maximum amount air can hold.
18. The state of the atmosphere at a given time and place (as compared to climate which is the long term prevalent \_\_\_ conditions).
21. Produced by clouds having negative charge and Earth's surface have positive charge.
22. Equal lines of pressure on a weather map.
24. Air flows and encounters obstruction to form these clouds; UFO's.
25. Water to air saturation temperature. The higher the \_\_\_\_, the more moisture is in the air.
26. The amount of water vapor (moisture) in the air.
27. Front caused by a region of cold air moving into a region of warm air, having a steep profile.

## Down

1. Storm clouds.
2. Wind speed indicator.
3. "Cotton ball" clouds; fluffy.
4. Lifting of air mass over a mountain. Rains heavily on the way up.
5. Factor affecting wind based on the angle of the sun's rays. 0 to 90 degrees N and S.
6. Front that remains essentially in the same area for extended periods of time (days) with prolonged or repeated precipitation or storms.
7. Pressure system left when cold air sinks. Anticyclone.
8. Pressure system left when warm air rises. Cyclone.
10. Low pressure system that air flows counterclockwise. Normally associated with poor weather.
12. Moist air mass (over water).
13. Thunderstorm development after cumulus stage when air is lifting and dropping simultaneously.
16. Thunderstorm dominated by air pushing down and much rain (dissipating stage).
17. When the temperature of the air changes due to pressure (warm air rises and expands, causing cooling and condensation).
19. Clouds that are thin and feathery; wispy, high altitude.
20. Type of air (warmer, cooler) that holds more moisture.
23. Created by unequal temperature or pressure in the atmosphere.