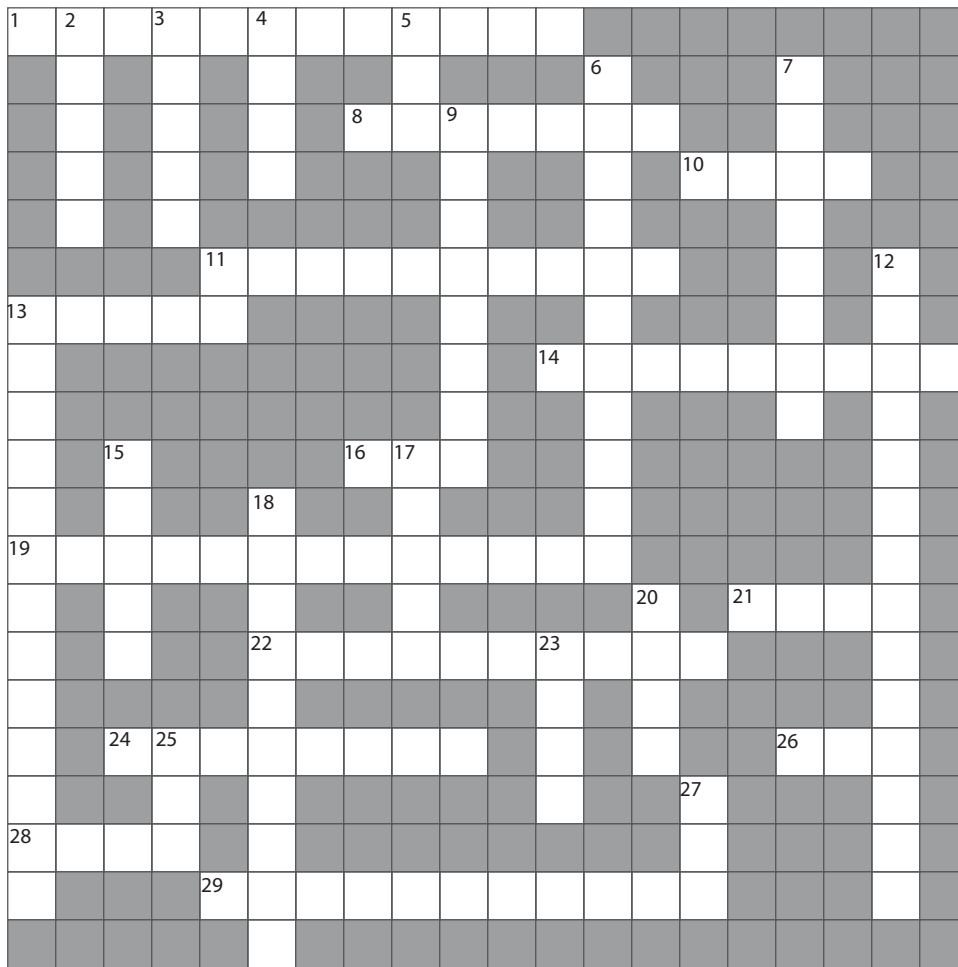


## Clouds and Precipitation



### Across

1. An instrument that measures relative humidity and dew point using wet and dry bulb temperatures and tables to interpret the data.
8. A type of cloud whose name means layers.
10. A thin layer of ice formed from contact freezing of supercooled fog.
11. Physical barriers such as mountains force winds to ascend in a process called \_\_\_\_\_ lifting.
13. Gaseous water is called water \_\_\_\_\_.
14. Type of fog that results from heat loss of the Earth.
16. 4.6 billion years is the \_\_\_\_\_ of the Earth.
19. A general term describing all the ways water falls to Earth.
21. A solid form of precipitation with beautiful crystals.
22. The energy absorbed or released during a state change.
24. The temperature to which air has to be cooled in order to reach saturation.
26. A cloud near the ground.
28. Drops of water that fall from the sky.
29. When winds flow horizontally into an area.

### Down

2. Frozen or semi-frozen rain.
3. A dense concentration of suspended water droplets.
4. Same as 28. across.
5. Something to do when you are hungry.
6. State change from solid to gas.
7. Amount of water vapor in the air.
9. \_\_\_\_\_ humidity measures the percentage of water vapor in the air as compared to the quantity required for saturation.
11. Used to indicate an alternative.
12. Lifting of air when cool air acts as a barrier and warm air rises over it.
13. Contribution to atmospheric pressure from water vapor.
15. A type of fog formed when water evaporates from a warm surface.
17. A coating of ice when supercooled rain freezes on contact.
18. Created when air moves up an incline and cools adiabatically.
20. A type of front.
23. Spherical ice pellets that fall from the sky.
25. A very long time geologically speaking.
27. Frozen water.