

# CONTRAIL EDUCATION CROSSWORD CLUES



## ACROSS:

4. The \_\_\_\_\_ temperature scale defines the boiling point of water as 212 degrees and the melting point of ice at 32 degrees.
6. \_\_\_\_\_ is the state of the atmosphere at a particular place and time. It includes variables such as temperature, wind, cloudiness and precipitation.
10. Liquid or solid particles suspended in the atmosphere are known as \_\_\_\_\_. Common examples include desert dust, sea salt and pollution.
11. \_\_\_\_\_ describes the distance over which an observer can see and clearly identify an object.
13. \_\_\_\_\_ humidity describes the amount of water in the air compared with how much the air can hold at the current temperature.
14. Change from a liquid to a vapor or gas form is called \_\_\_\_\_.
16. A \_\_\_\_\_ is an instrument used to measure the relative humidity of air.
17. A \_\_\_\_\_ is a device to calculate relative humidity using two thermometers; one kept dry and the other wet.
19. \_\_\_\_\_ is the measure of the energy in a substance.
20. \_\_\_\_\_ contrails look like short white lines following along behind an airplane, disappearing almost as fast as the airplane goes across the sky.
21. The amount of force exerted over a surface area, caused by the weight of air molecules above it is known as \_\_\_\_\_ pressure.
23. \_\_\_\_\_ is the change of phase of a substance from a vapor to a liquid. This is the opposite of evaporation.
24. Clouds which take on the \_\_\_\_\_ shape (or 'form') occur at high altitudes (greater than 6km above sea level) and are made of ice crystals. They look wispy or like a paintbrush stroke across the sky.
25. \_\_\_\_\_ is a natural motion of the air, especially a noticeable current of air moving in the atmosphere parallel to the Earth's surface.
26. The lowest layer of the atmosphere where almost all weather occurs is called the \_\_\_\_\_.

## DOWN:

1. \_\_\_\_\_ is the height above the Earth's surface.
2. \_\_\_\_\_ is the colorless, odorless and invisible gaseous form of water in the atmosphere.
3. A \_\_\_\_\_ is an instrument used to measure atmospheric pressure.
5. The amount of the sky covered by clouds is known as the \_\_\_\_\_.
7. \_\_\_\_\_ defines the amount of water vapor in the air.
8. A \_\_\_\_\_ is a free-flying object that orbits the Earth, another planet or the sun.
9. \_\_\_\_\_ is the weather at a locality averaged over some time period, plus extremes in weather behavior during a time period.
12. The temperature to which air must be cooled for condensation to begin is called the \_\_\_\_\_.
15. \_\_\_\_\_ contrails look like long white lines that remain visible after the airplane has disappeared.
18. The air surrounding the earth, described as a series of shells or layers of different characteristics is called the \_\_\_\_\_.
22. Human-caused clouds formed due to the exhaust of jet aircraft are called \_\_\_\_\_.
24. The \_\_\_\_\_ temperature scale defines the boiling point of water as 100 degrees and the melting point of ice at 0 degrees.