

Atmospheric Crossword Puzzle

Across

1. Airborne particles.
2. Abbreviation for polar mesospheric cloud.
3. Region of the atmosphere about 50-85 km above the Earth's surface.
4. Air currents.
5. Inflatable object that can carry people, or scientific instruments, high above the ground.
6. Defines the wavelength of light emitted from the sun.
7. Region of the Earth's atmosphere above about 85 km.
8. Capacity to do work.
9. Wavelengths just short of visible.
10. The amount of light reflected from a surface.
11. Radiation with a wavelength longer than visible that heats the Earth's atmosphere.
12. An atom that has unequal numbers of protons and electrons.
13. Tells how hot or cold something is.
14. The process of turning from a gas to a liquid.
15. Rain.
16. Layer of the Earth's atmosphere where we live.
17. Having to do with the electromagnetic spectrum.
18. Region of the atmosphere containing most of the ozone.
19. The process of turning from a liquid to a gas.
20. Violent weather caused by rising air and accompanied by rain and lightning.
21. Having to do with the earth.
22. Edge of the atmosphere, or viewing direction from a satellite toward the Earth's horizon.
23. Light amplification by stimulated emission of radiation.
24. The stuff we breathe.
25. Light detection and ranging.
26. Night-shining.
27. Effect that occurs when gases trap the Sun's heat in the Earth's atmosphere.
28. Greenhouse gases lead to _____ warming.

Down

1. Separation of light into different colors.
2. Defines the wavelength of light emitted from the Earth's surface.
3. The air that surrounds the Earth.
4. Degree of wetness in the atmosphere.
5. Can be seen.
6. Overall weather conditions for a very long time.
7. Characterizes the color of light.
8. Electromagnetic energy.
9. The science of matter and how substances react with one another.
10. Star at the center of our solar system.
11. Regions of condensed vapor in the atmosphere.
12. Eclipse of the sun by the Earth's atmosphere.
13. _____ heat is released during condensation and absorbed during evaporation.
14. Technical name for sunshine.
15. Move air around.
16. Molecule made of three oxygen atoms.
17. Losing heat.
18. Frozen water.
19. Having to do with the sun.
20. A process by which light is extinguished when it interacts with the atmosphere.
21. Reflection of light by small particles.
22. The science of fluid (or atmospheric) motions.
23. Something that orbits a planet or other celestial body.
24. Mountain that erupts.
25. Increasing temperatures.
26. Ice crystals that form when water vapor condenses directly into ice, not water.
27. Abbreviation for polar stratospheric cloud.