

## Enviro\_Atmosphere\_21x21

### Across

2 The atmospheric layer between the troposphere and the mesosphere. (12)

6 A cooler darker spot appearing periodically on the surface of the sun; associated with a strong magnetic field. (7)

8 An odourless very poisonous gas that is a product of incomplete combustion of carbon. (6,8)

13 Invisible, short wavelength region of the solar spectrum. (11)

15 Rise in global temperature caused by increased amounts of atmospheric gases that trap heat in Earth's atmosphere by absorbing longwave radiation. (6,7)

19 The ratio of reflected to incident light. (6)

20 Any of the small solid extraterrestrial bodies that hits the earth's atmosphere. (6)

21 Any of a class of highly reactive chemical compounds; used in making resins and dyes and organic acids. (8)

22 An area of the ozone layer (near the poles) that is seasonally depleted of ozone. (9)

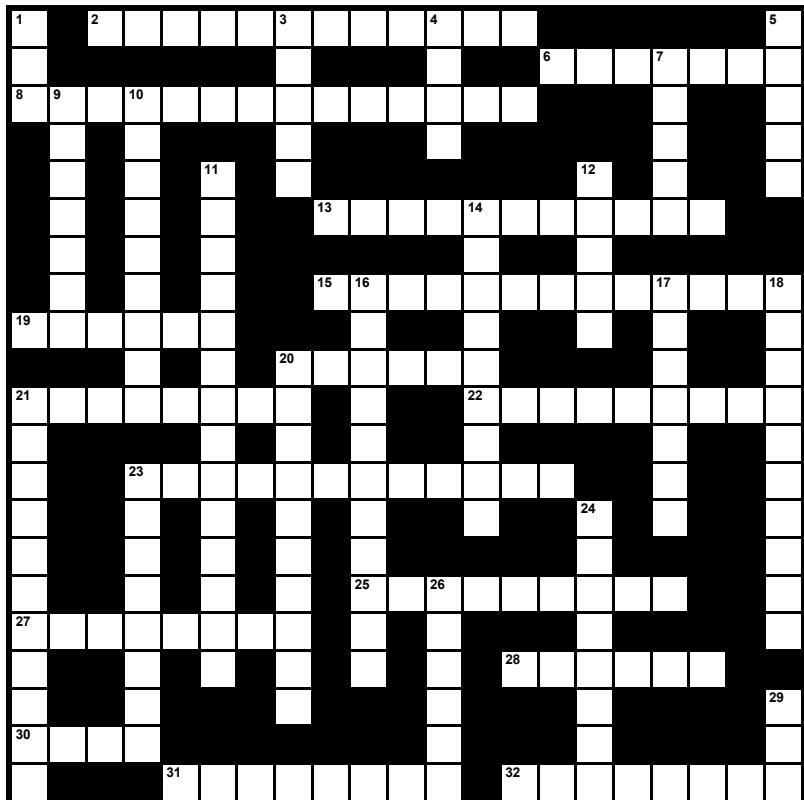
23 (N<sub>2</sub>O) used as a mild anesthetic. (7,5)

25 The outermost atmospheric layer. (9)

27 A common nonmetallic element belonging to the halogens; best known as a heavy yellow irritating toxic gas. (8)

28 Any of a class of organic compounds having a carbonyl group linked to a carbon atom in each of two hydrocarbon radicals. (6)

30 A colourless odourless gaseous element that give a red glow in a vacuum tube. (4)



### Down

1 A fluorocarbon with chlorine; formerly used as a refrigerant and as a propellant in aerosol cans. (3)

3 A colorless gas (O<sub>3</sub>) soluble in alkalis and cold water; a strong oxidizing agent. (5)

4 Give off, or discharge; as of light, heat, or radiation, vapour, etc. (4)

5 A violent weather condition with strong winds. (5)

7 Probe that sends information about its environment. (5)

9 A cloud of solid or liquid particles in a gas. (7)

10 The regions of the surface and atmosphere of the Earth (or other planet) where living organisms exist. (9)

11 Synthesis of compounds with the aid of radiant energy (especially in plants). (14)

12 Relating to or derived from the sun or utilizing the energies of the sun. (5)

14 Living or active in the absence of free oxygen. (9)

16 The solid part of the earth. (11)

17 Simple combustible hydrocarbon. The major component of natural gas. (7)

18 A building with glass walls and roof; for the cultivation and exhibition of plants under controlled conditions. (10)

20 The atmospheric layer between the stratosphere and the thermosphere. (10)

21 winds spiraling outward from a high-pressure center; circling clockwise in the northern hemisphere and counter-clockwise in the southern. (11)

23 It constitutes 78 percent of the atmosphere by volume; a constituent of all living tissues. (8)

24 An ordered array of the components of an emission or wave. (8)

26 It constitutes about 21 percent of the atmosphere by volume. (6)

29 The atmosphere and outer space as viewed from the earth. (3)