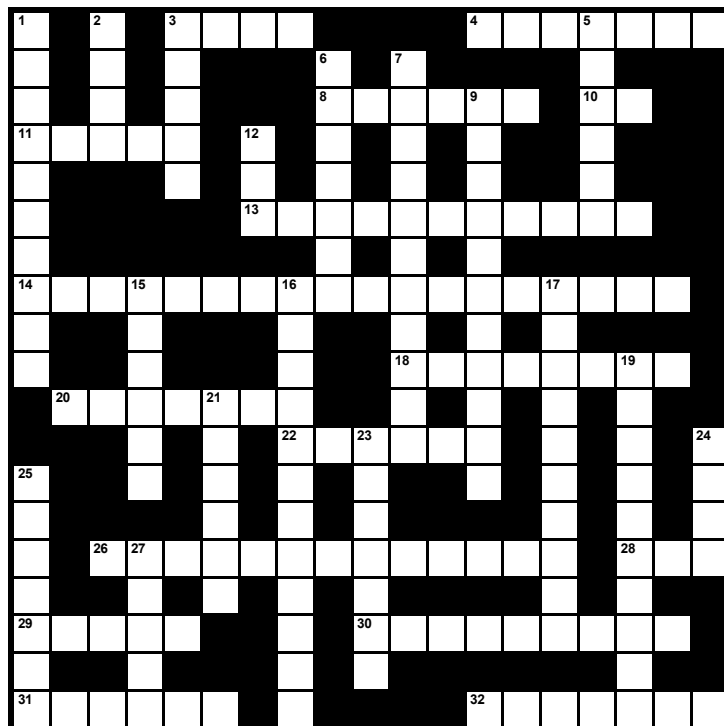


2003-05-22_Chemistry_Atmospheric_19x19

B.B. Huria

Across

- 3 The rate of flow of energy or particles across a given surface. (4)
- 4 The force of attraction of the earth's mass for bodies near its surface. (7)
- 8 It constitutes about 21% of the air we breathe. (6)
- 10 The logarithm of the reciprocal of hydrogen-ion concentration in gram atoms per liter. (2)
- 11 The XXXXXs cover approximately 70% of the Earth's surface. (5)
- 13 The lowest atmospheric layer; from 4 to 11 miles high (depending on latitude). (11)
- 14 Water that is evaporated and transpired by plants as a part of their metabolic processes. (18)



- 18 The sum of the internal energy of a system and the product of its volume and pressure. (8)
- 20 A cooler darker spot appearing periodically on the surface of the sun; associated with a strong magnetic field. (7)
- 22 The ratio of reflected to incident light. (6)
- 26 The opposite of deforestation. (13)
- 28 Droplets of water vapour suspended in the air near the ground. (3)
- 29 A colourless and odourless inert gas; comprises approximately 1% of the earth's atmosphere. (5)
- 30 An anomaly that temperature of the atmosphere near the earth's surface increases rather than decreases (normally) with height. (7)

- (9)
- 31 A constituent of natural gas with molecular formula C_2H_6 . (6)
- 32 A large dark low cloud. (7)

Down

- 1 The sum total of all the gases surrounding the Earth. (10)
- 2 Atmospheric moisture or dust or smoke that causes reduced visibility. (4)
- 3 All the animal life in a particular region. (5)
- 5 Water present in the atmosphere in gaseous form. (6)
- 6 A seasonal wind in South Asia that blows from the South West bringing rain in summer. (7)

- 7 The watery layer of the earth's surface; includes water vapour. (11)
- 9 The process of the change in the state of a liquid or solid to a gas or vapour. (11)
- 12 An insecticide that is also toxic to animals and humans; banned in the United States since 1972. (3)
- 15 Also called carbolic acid. (6)
- 16 A simple aldehyde formed in atmosphere as a result of emissions from the manufacture of acetic acid, plastics, raw materials, etc. (12)
- 17 Steady winds blowing from east to west above and below the equator. (5,5)
- 19 Ground that is permanently frozen. (10)

- 21 A quantum of electromagnetic radiation. (6)
- 23 Of or relating to or happening on the bottom under a body of water. (7)
- 24 This is a term used to describe a mixture of smoke and fog. (4)
- 25 CH_4 , A colourless odourless gas used as a fuel. (7)
- 27 All the plant life in a particular region. (5)