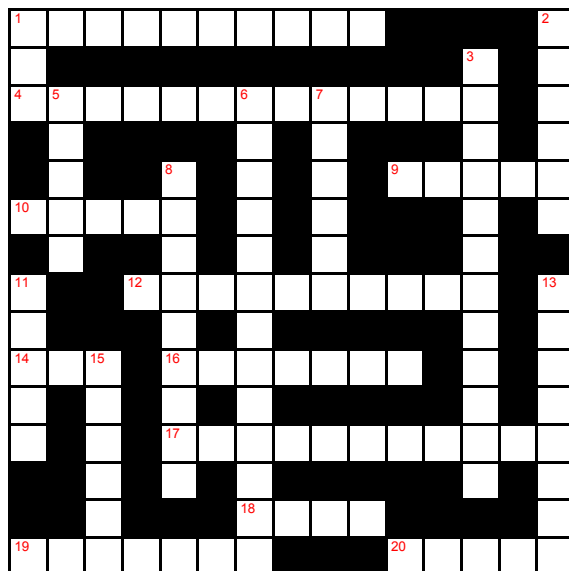


Ozone_15x15_2008-10-18

B.B. Huria



Across

- 1 The transfer of heat through a fluid (liquid or gas) caused by molecular motion. (10)
- 4 A heavy odorless colorless gas formed during respiration and by the decomposition of organic substances; absorbed from the air by plants in photosynthesis. (6,7)
- 9 Compound formed when a halogen, such as fluorine (F) or bromine (Br) attaches to a carbon atom. (5)
- 10 The act of using. (5)
- 12 DU - Unit of measurement of total ozone equal to 2.69×10^{16} molecules per square centimeter. (6,4)
- 14 Self replicating nucleic acid that contains genetic code within the cell. (3)
- 16 A cloud of solid or

liquid particles in a gas. (7)

- 17 Direction of an incoming solar radiation beam. Used in conjunction with the position of a spectrometer's diffuser plate to calculate albedo. (5,6)
- 18 Total Ozone Mapping Spectrometer. Launched on the NASA Nimbus-7 satellite. Monitored Earth between October 31, 1978, and May 6, 1993. (4)
- 19 Deep red, corrosive, nonmetallic, liquid halogen that gives off an irritating reddish brown vapour. (7)
- 20 Gaseous compound of three oxygen atoms that is generated by a photo-electro process and has a distinct electrical or disinfectant odour. (5)

Down

- 1 A fluorocarbon with chlorine; formerly used as a refrigerant and as a propellant in aerosol cans. (3)
- 2 Any of a class of organic compounds having a carbonyl group linked to a carbon atom in each of two hydrocarbon radicals. (6)
- 3 Ratio of intensity of the total radiation reflected from a surface to the total radiation incident on the surface. (12)
- 5 ____ of certain chemicals like CFCs is the major cause for developing ozone hole. (5)
- 6 Plate used for capturing incoming solar radiation for measurement and intercepting radiation from a mercury-argon calibration lamp.

(8,5)

- 7 On earth, it is more abundant element than any other element. (6)
- 8 Transitional atmospheric region between the mesosphere and thermosphere. (9)
- 11 The point below the observer that is directly opposite the zenith on the imaginary sphere against which celestial bodies appear to be projected. (5)
- 13 Heavy, greenish-yellow, irritating gas with a pungent odor. Capable of reacting with almost all other elements. Catalyst for ozone destruction. (8)
- 15 The ratio of reflected to incident light. (6)