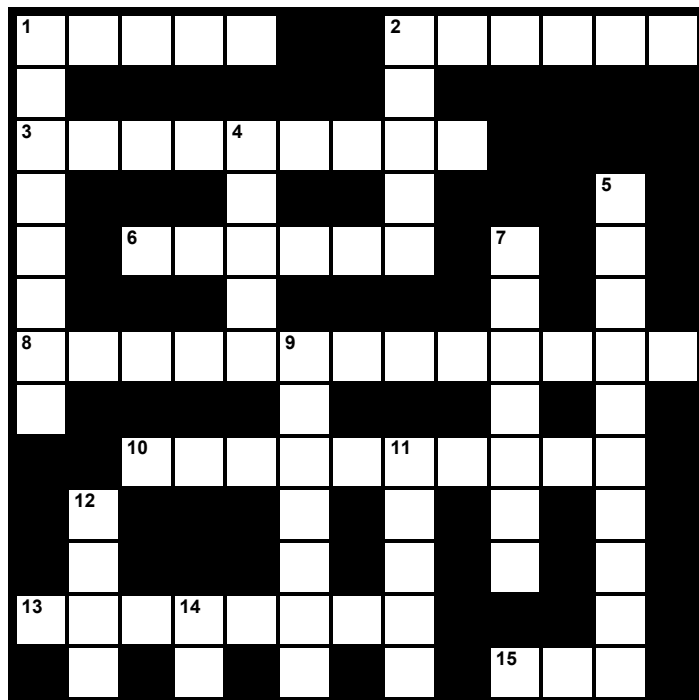


# 2003-05-22\_Chemistry\_Atmospheric\_13x13

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## Across

- 1 A visible mass of water or ice particles suspended at a considerable altitude. (5)
- 2 The ratio of reflected to incident light. (6)
- 3 Branch of science dealing with study, constitution and classification of rocks. The microscopic study, description, and classification of rocks. (9)
- 6 A quantum of electromagnetic radiation. (6)
- 8 A hypothesis that large scale nuclear war might lead to worldwide darkening and cooling of the

atmosphere with consequent devastation of all life forms. (7,6)

- 10 Ground that is permanently frozen. (10)
- 13 The process in which one substance takes up or holds another (by either absorption or adsorption). (8)
- 15 An insecticide that is also toxic to animals and humans; banned in the United States since 1972. (3)

## Down

- 1 A common nonmetallic element belonging to the halogens; used to purify water and as a bleaching agent and

disinfectant. (8)

- 2 A colourless and odourless inert gas; comprises approximately 1% of the earth's atmosphere. (5)
- 4 Molecule consisting of three oxygen atoms bonded together. (5)
- 5 Heat absorbed or radiated during a change of phase at a constant temperature and pressure. (6,4)
- 7 A seasonal wind in South Asia that blows from the South West bringing rain in summer. (7)
- 9 Its molecular formula is  $\text{NH}_3$ . (7)

- 11 All the animal life in a particular region. (5)

- 12 This is a term used to describe a mixture of smoke and fog. (4)

- 14 The logarithm of the reciprocal of hydrogen-ion concentration in gram atoms per liter. (2)