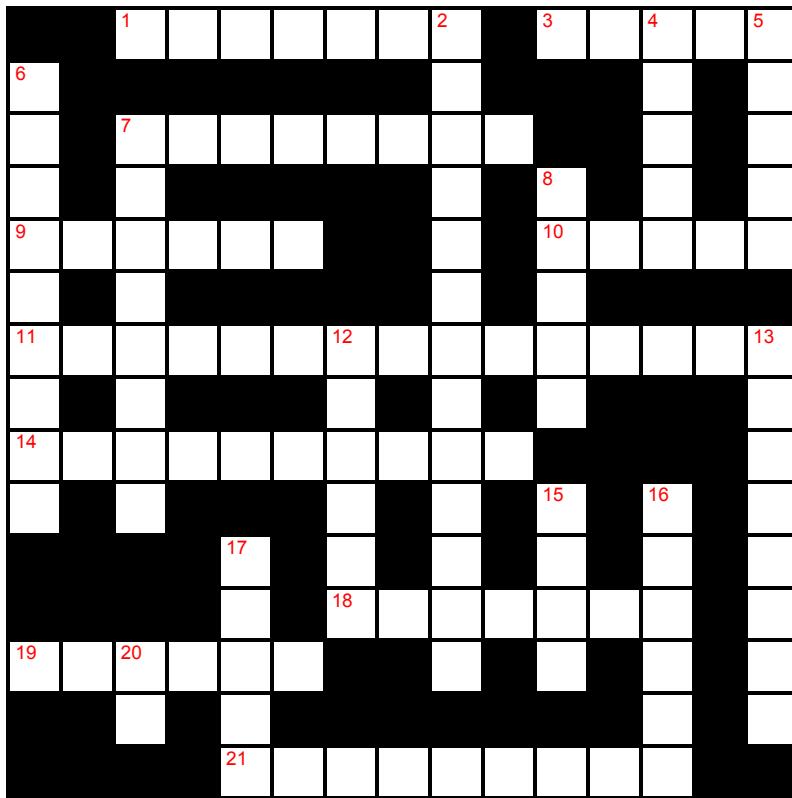


## Air\_chemistry\_15x15\_2008-10-06

B.B. Huria



### Across

- 1 Its molecular formula is NH<sub>3</sub>. (7)
- 3 All the plant life in a particular region. (5)
- 7 The time required for half the atoms in a radioactive substance to disintegrate. (4,4)
- 9 A dark gray cloud bearing rain. (6)
- 10 The XXXXXs cover approximately 70% of the Earth's surface. (5)
- 11 A chemical compound that has rotten egg like smell. (8,7)
- 14 Heat absorbed or radiated during a change of phase at a constant temperature

and pressure. (6,4)

- 18 The branch of biology concerned with the relations between organisms and their environment. (7)
- 19 Water present in the atmosphere in gaseous form. (6)
- 21 Mixing of air particles to falling rain or snow drops. (9)

### Down

- 2 The opposite of deforestation. (13)
- 4 Molecule consisting of three oxygen atoms bonded together. (5)
- 5 A colourless and odourless inert gas;

comprises approximately 1% of the earth's atmosphere. (5)

- 6 An area of the ozone layer (near the poles) that is seasonally depleted of ozone. (5,4)

7 The moisture content of air. (8)

- 8 A unit of electrical energy equal to the work done when a current of one ampere passes through a resistance of one ohm for one second. (5)

- 12 A constituent of natural gas with molecular formula C<sub>2</sub>H<sub>6</sub>. (6)

13 The plane of the

Earth's orbit around the sun (8)

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

16 It constitutes about 21% of the air we breathe. (6)

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

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