

# Chemistry\_15x15\_2008-10-04

B.B. Huria

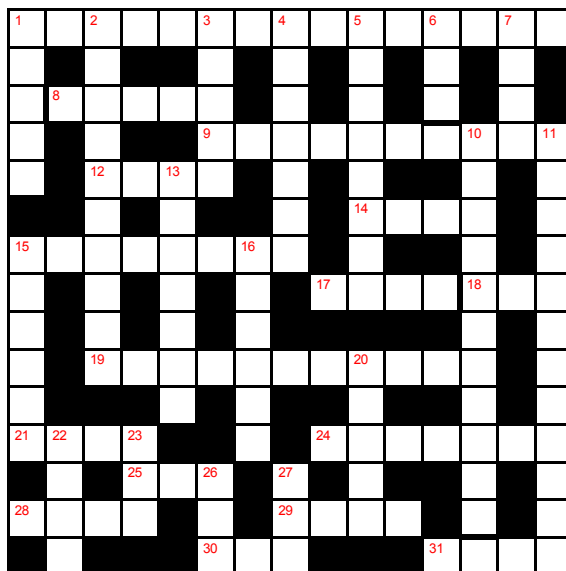
## Across

- 1 Of or pertaining to chemical action of electricity or the production of electricity by chemical reactions (7-8)
- 8 Italian physicist after whom the volt is named (5)
- 9 An essential structural component of living cells and source of energy for animals; includes simple sugars with small molecules as well as macromolecular substances (10)
- 12 A form of energy that is transferred by a difference in temperature (4)
- 14 Chemists call it "Pb" (4)
- 15 A body having finite mass and internal structure but negligible dimensions (8)
- 17 A compound used as a fixing agent in photographic developing (4)
- 18 A soft greasy substance occurring in organic tissue (3)
- 19 A material's capacity to conduct electricity; measured as the reciprocal of electrical resistance (11)
- 21 It refers to ketones which are important intermediates in the syntheses of organic compounds (4)
- 24 A pseudoscientific forerunner of

- chemistry in medieval times (7)
- 25 Ribonucleic acid (3)
- 28 Carbon fuel produced by distillation of coal (4)
- 29 A chalcedony with alternating black and white bands (4)
- 30 A slippery or viscous liquid or liquefiable substance not miscible with water (3)
- 31 Amount of matter that a body contains (4)

## Down

- 1 \_\_\_\_ Salt: Hydrated magnesium sulphate used as a laxative (5)
- 2 A chemical reaction that results in evolution of heat (10)
- 3 To heat an ore to drive off volatile substances or oxidize the ore (5)



- 4 Curving inward (7)
- 5 A thermodynamic quantity equal to the internal energy of a system plus the product of its volume and pressure (8)
- 6 A world-wide federation of national standards bodies that develops international standards (3)
- 7 An aqueous solution with a pH less than 7.0 (4)
- 10 Having only a limited ability to react chemically; chemically inactive (11)
- 11 Process that occurs in electrolytic cells (12)
- 13 Oily poisonous liquid amine obtained from nitrobenzene and used to make dyes, plastics and medicines (7)
- 15 The constant of proportionality between the energy of a photon and its frequency (6)
- 16 Fluid with no fixed shape but a fixed volume (6)
- 20 A metal composed of two or more elements, combined to produce certain metallic properties (5)
- 22 An organic compound containing a hydroxyl group bonded to a carbon atom, which in turn is doubly bonded to another carbon atom (4)
- 23 A metal-bearing mineral valuable enough to be mined (3)
- 26 Containing nitrogen (3)
- 27 A liquid colloidal solution (3)