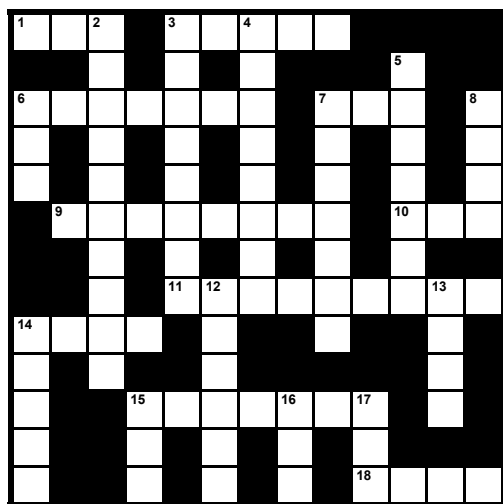


# Energy\_13x13\_2003-04-08

B.B. Huria



## Across

- 1 A particle that is electrically charged (positive or negative); an atom or molecule or group that has lost or gained one or more electrons. (3)
- 3 Electricity for use as energy. (5)
- 6 A colourless odorless gas, principal component of natural gas, used as a fuel. (7)
- 7 A unit of heat equal to the amount of heat required to raise one pound of water one degree Fahrenheit at one atmosphere pressure. (3)
- 9 A volatile flammable mixture of hydrocarbons (hexane and heptane and octane etc.) derived from petroleum; used mainly as a fuel in internal-combustion engines. (8)
- 10 A unit of absorbed
- 11 A unit used in estimating fuel requirements for heating a building. (6,3)
- 14 The power output of a generator or power plant. (4)
- 15 A gasoline substitute consisting of 90% gasoline and 10% grain alcohol from corn. (7)
- 18 Electromagnetic radiation of short wavelength produced when high-speed electrons strike a solid target. (4)
- 2 Hydrocarbon gas found in the earth, composed of methane, ethane, butane, propane and other gases. (7,3)
- 3 The highest electrical
- 4 Using a utility's lines to transport power from one system to another. (8)
- 5 A long slender tube that holds fissionable material (fuel) for nuclear reactor use. (4,3)
- 6 One thousand cubic feet of natural gas, having an energy value of one million Btu. (3)
- 7 A nuclear reactor that produces more fuel than it consumes. (7)
- 8 A system of high tension cables by which electrical power is distributed throughout a region. (4)
- 12 A great inventor, known as father of American energy industry. (6)
- 13 The smallest component of an
- 14 (Light Amplification by Stimulated Emission of Radiation) optical device that produces an intense monochromatic beam of coherent light. (5)
- 15 A volatile flammable mixture of hydrocarbons (hexane and heptane and octane etc.) derived from petroleum; used mainly as a fuel in internal-combustion engines. (3)
- 16 Electric utility lines that are carrying electric currently. (3)
- 17 A unit of illumination equal to 1 lumen per square meter; 0.0929 foot candle. (3)

## Down

- ionizing radiation equal to 100 ergs per gram of irradiated material. (3)
- demand within a particular period of time. (4,4)
- element having the chemical properties of the element. (4)