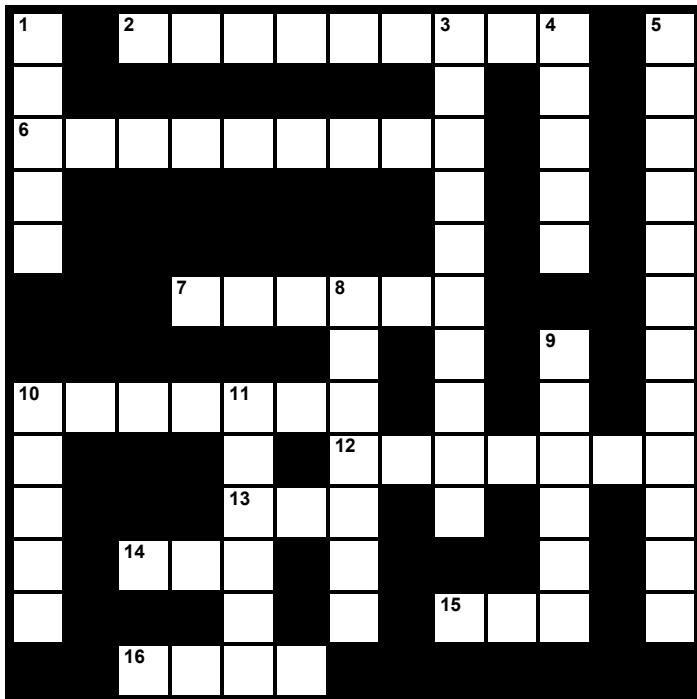


Solar_Physics_13x13_2003-07-09

B.B. Huria



Across

2 The apparent edge of the Sun as it is seen in the sky. (5,4)

6 Energy that is radiated or transmitted in the form of rays or waves or particles. (9)

7 An atmospheric phenomenon consisting of bands of light caused by charged solar particles following the earth's magnetic lines of force. (6)

10 A cooler darker spot appearing periodically on the surface of the sun; associated with a

1 strong magnetic field. (7)

12 One of two or more atoms with the same atomic number but with different numbers of neutrons. (7)

13 A unit of angular measure in which there are 360 arc degrees in a full circle. (3)

14 The system of measurement that uses Centimeter, Gram and Second for distance, mass, and time respectively. (3)

15 An atom that has lost or gained one or more electrons and has become electrically charged as a result. (3)

16 Electromagnetic radiation of short wavelength produced when high-speed electrons strike a solid target. (1-3)

Down

1 Abbreviated as Hz. (5)

3 The condition of being dissociated into ions (as by heat or radiation or chemical reaction or electrical discharge). (10)

4 Total absence of light. (5)

5 An instrument for measuring the intensity of radiation as a function of wavelength. (12)

8 Of or relating to or involving light. (7)

9 A quantum of electromagnetic radiation; an elementary particle that is its own antiparticle. (6)

10 Relating to or derived from the sun or utilizing the energies of the sun. (5)

11 A fourth state of matter distinct from solid or liquid or gas and present in stars and fusion

reactors. (6)