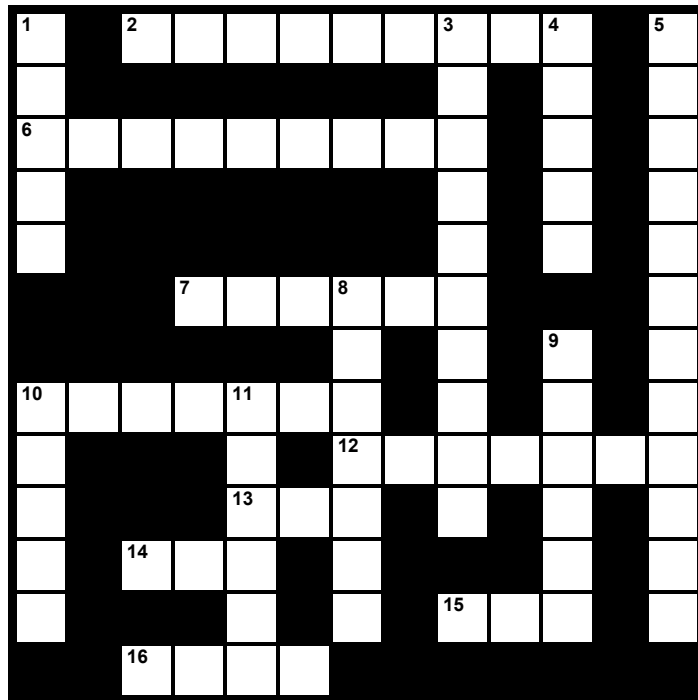


# Solar\_Physics\_13x13\_2003-07-09

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## 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 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)