

Solar Eclipse Crossword Puzzle

Instructions: Students are to use the internet to research the following terms and complete the crossword using the clues below.

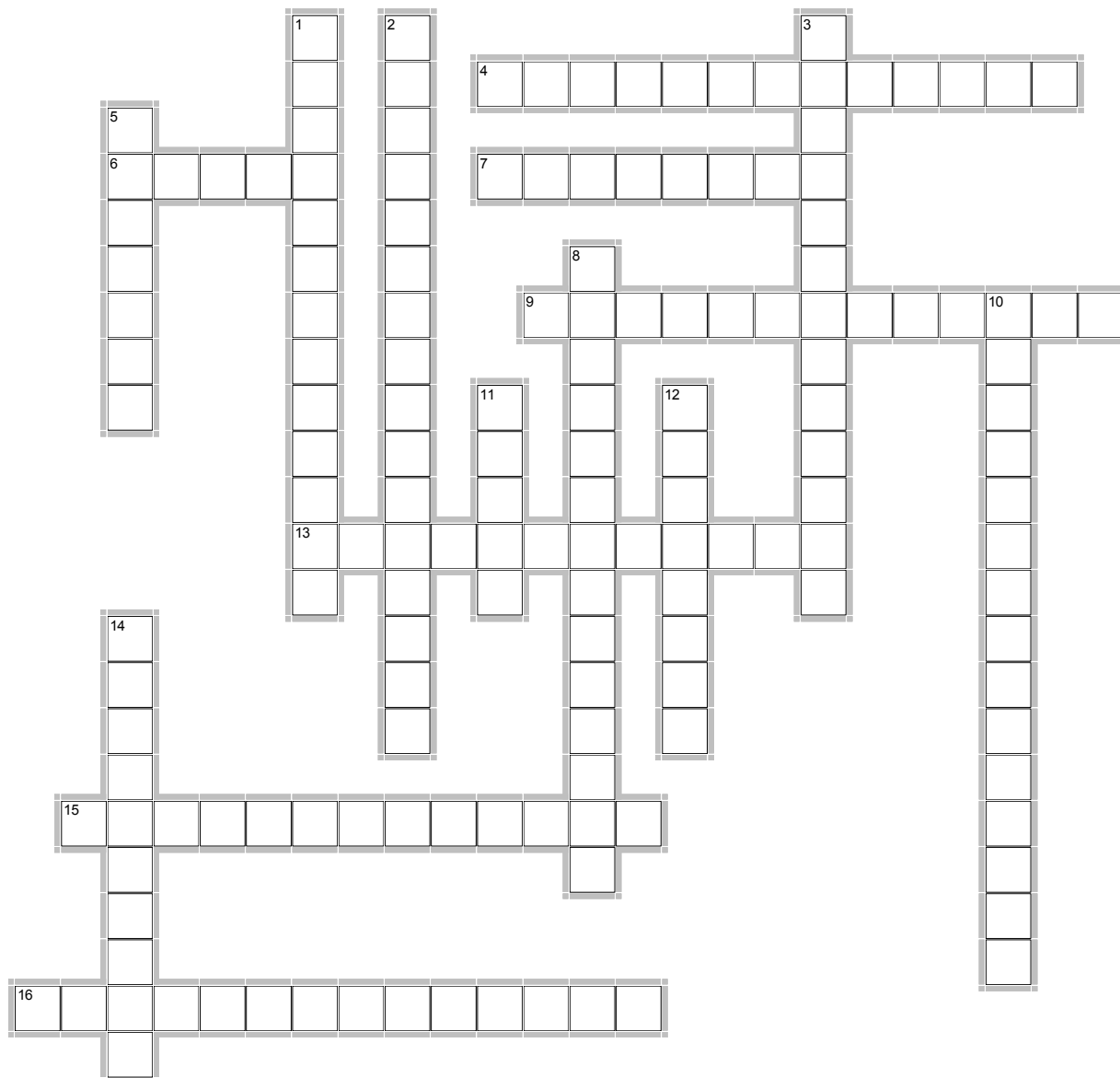
First contact	Fourth contact	Lunar eclipse
Partial eclipse	Path of totality	Penumbra
Prominence	Saros	Second contact
Shadow bands	Solar eclipse	Sunspot
Third contact	Total eclipse	Totality
Umbra		

Across

- The end of the total phase of a solar eclipse marked by the trailing edge of the Moon first revealing the Sun.
- A complete shadow (as of the Moon) within which the source of light (the Sun) is totally hidden from view.
- The part of a shadow (as of the Moon) within which the source of the light (the Sun) is only partially blocked.
- The passage of the new Moon directly between the Sun and Earth when the Moon's shadow is cast upon the Earth.
- Faint ripples of light sometimes seen on flat, light coloured surfaces just before and after totality.
- The beginning of a solar eclipse when the edge of the Moon first passes across the disc of the Sun.
- The beginning of the total phase of a solar eclipse when the leading edge of the Moon first completely obscures the Sun.

Down

- The passage of the Moon into the shadow of the Earth, always occurring at a full moon.
- The path (up to about 270 km wide) that the Moon's umbral shadow traces on the Earth during a total solar eclipse.
- An eclipse during which the umbra touches the Earth (for a solar eclipse) or completely engulfs the Moon (for a lunar eclipse).
- A magnetic disturbance on the Sun that appears as a dark blotch on it.
- The end of a solar eclipse when the disc of the Moon completely passes away from the disc of the Sun.
- An eclipse during which only the penumbral shadow touches the Earth (for a solar eclipse) or the Moon partially enters the Earth's umbra (for a lunar eclipse).
- The eclipse cycle with a period of 18 years and about 11 days.
- The period during a solar eclipse when the Sun is completely blocked or the Moon is completely immersed in the Earth's shadow for a lunar eclipse.
- A large-scale gaseous formation above the surface of the Sun.



EclipseCrossword.com

Copyright:

This document has been produced by members of the Astronomical Association of Queensland (AAQ) and the Science Teachers Association of Queensland (STAQ). AAQ and STAQ retain copyright of the document. The material in the document may be freely reproduced provided that it is used for non-commercial purposes and the source is acknowledged. Address any request for use of the material for commercial purposes to eclipse@aaq.org.au.