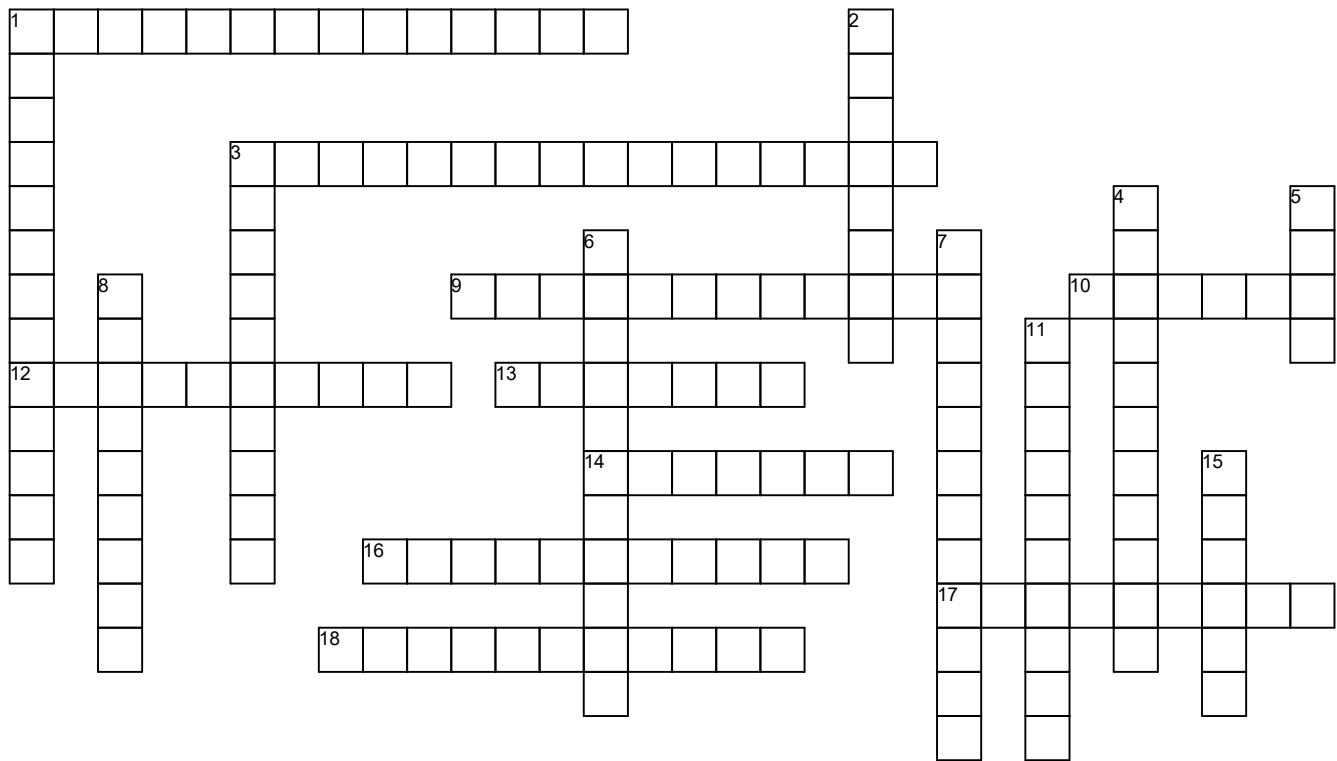


# Sun Crossword Puzzle

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



## ACROSS

1. Energy emitted by the Sun in the form of electromagnetic waves.
3. A facility designed to study and monitor the Sun's activity.
9. The layer of the Sun's atmosphere just above the photosphere.
10. The outermost layer of the Sun's atmosphere, visible during a solar eclipse.
12. The transfer of heat within the Sun's interior through circulating currents.
13. The force that holds the Sun's mass together due to its immense size.
14. A dark, cooler area on the Sun's surface caused by magnetic activity.
16. The region of space influenced by the Sun's magnetic field and solar wind.
17. A stream of charged particles emitted by the Sun into space.
18. Loops of hot, glowing gas that extend from the Sun's surface into space.

## DOWN

1. The range of colors produced when sunlight is dispersed.
2. The primary element that fuels nuclear fusion in the Sun.
3. The approximately 11-year cycle of solar activity, including sunspot variations.
4. The visible surface of the Sun, emitting light and heat.
5. The Sun is a prominent example of this celestial object.
6. The Sun and all the objects that orbit it, including planets and asteroids.
7. The scientific study of the Sun and its effects on the solar system.
8. A comet that comes very close to the Sun in its orbit.
11. A sudden, intense burst of energy and radiation from the Sun's surface.
15. The process in which the Sun's core converts hydrogen into helium, releasing energy.

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Heliophysics  
sungrazer  
hydrogen  
solar wind  
solar cycle

prominences  
solar observatory  
solar radiation  
photosphere  
solar system

solar flare  
fusion  
convection  
heliosphere  
star

sunspot  
gravity  
chromosphere  
solar spectrum  
corona