

# Sun Study Sheet

1. star                      The Sun is a prominent example of this celestial object.
2. fusion                    The process in which the Sun's core converts hydrogen into helium, releasing energy.
3. photosphere            The visible surface of the Sun, emitting light and heat.
4. corona                    The outermost layer of the Sun's atmosphere, visible during a solar eclipse.
5. solar wind              A stream of charged particles emitted by the Sun into space.
6. sunspot                  A dark, cooler area on the Sun's surface caused by magnetic activity.
7. chromosphere          The layer of the Sun's atmosphere just above the photosphere.
8. heliosphere             The region of space influenced by the Sun's magnetic field and solar wind.
9. solar flare              A sudden, intense burst of energy and radiation from the Sun's surface.
10. solar cycle            The approximately 11-year cycle of solar activity, including sunspot variations.
11. prominences            Loops of hot, glowing gas that extend from the Sun's surface into space.
12. solar radiation        Energy emitted by the Sun in the form of electromagnetic waves.
13. convection             The transfer of heat within the Sun's interior through circulating currents.
14. hydrogen                The primary element that fuels nuclear fusion in the Sun.
15. gravity                  The force that holds the Sun's mass together due to its immense size.
16. Heliophysics          The scientific study of the Sun and its effects on the solar system.
17. solar system            The Sun and all the objects that orbit it, including planets and asteroids.
18. solar observatory     A facility designed to study and monitor the Sun's activity.
19. solar spectrum        The range of colors produced when sunlight is dispersed.
20. sungrazer                A comet that comes very close to the Sun in its orbit.