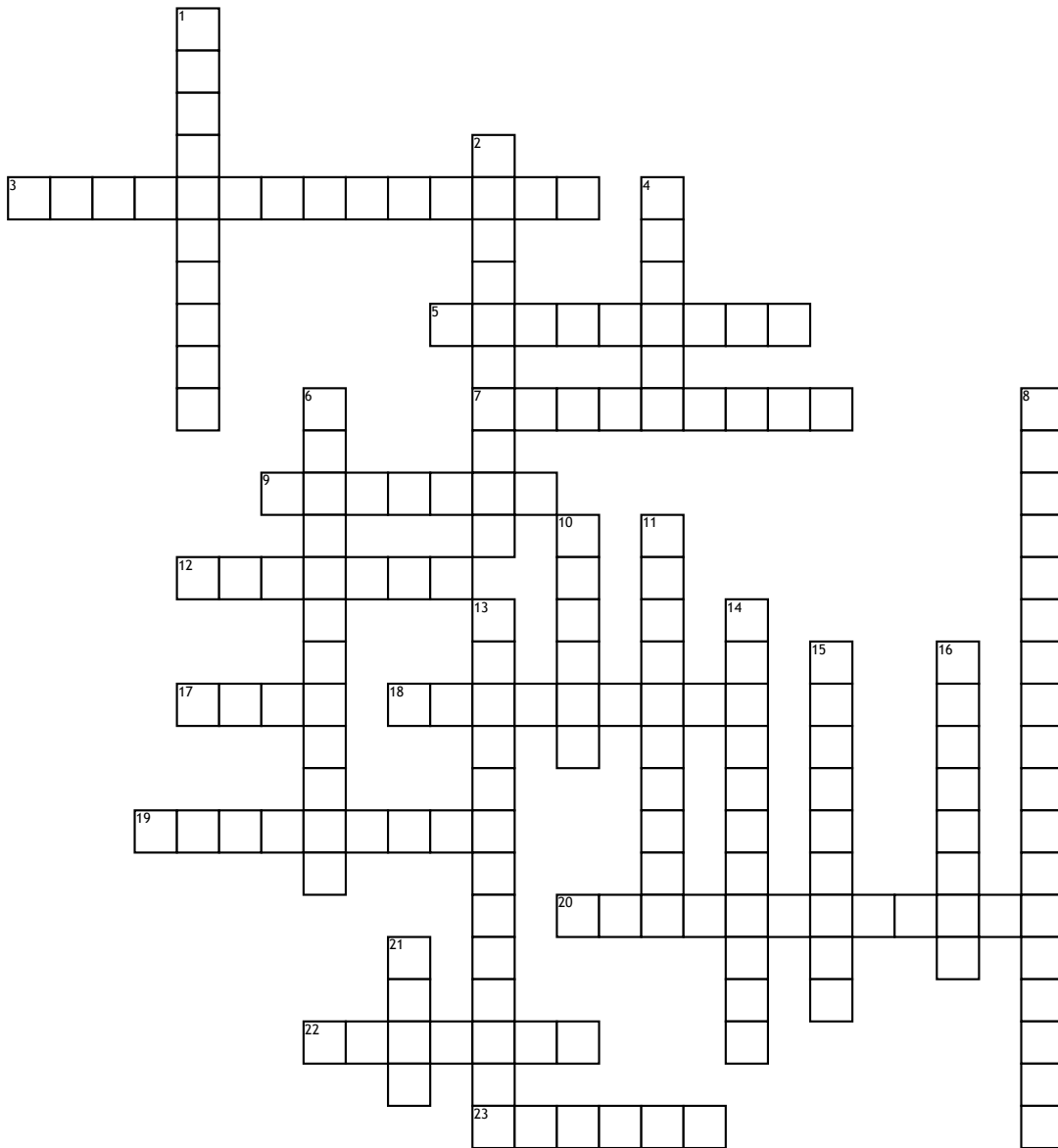


# Sun&Stars Crossword Puzzle



**Across**

- 3. The outermost layer of the sun's interior is called the \_\_\_\_\_.
- 5. A graph used by Astronomers to find a star's temperature and absolute brightness.
- 7. The distance traversed by light in one mean solar year
- 9. Active young galaxies, which huge black holes at the center are called \_\_\_\_\_.
- 12. The tendency of an object to resist a change in motion is, \_\_\_\_\_.
- 17. The amount of matter in an object is called it's \_\_\_\_\_.
- 18. The process of building something up gradually by gathering together of smaller pieces is called \_\_\_\_\_
- 19. The explosion of when a supergiant runs out of fuel is called a \_\_\_\_\_.
- 20. A device that breaks light into colors and produces an image of the resulting spectrum

- 22. A force that attracts all objects toward each other

- 23. A \_\_\_\_\_ is a large cloud of gas and dust spread out in an immense volume.

**Down**

- 1. The blue-white core of the star that is left behind cools and becomes a \_\_\_\_\_.
- 2. The loops in sunspot regions that suddenly connect, sometimes causing the gas to erupt into space, is called a \_\_\_\_\_.
- 4. The measure of the force of gravity on an object is called \_\_\_\_\_.
- 6. What are the remains of high-mass stars called?
- 8. A star's \_\_\_\_\_ or Luminosity is the brightness the star would have if it were at a standard distance from Earth.

- 10. A \_\_\_\_\_ is an object that orbits a star, is large enough to have become rounded by it's own gravity, and has cleared the area of it's orbit.
- 11. Reddish loops of gas that link parts of sunspot regions are called \_\_\_\_\_.
- 13. What process causes hydrogen atoms to join to form helium?
- 14. A star system that has two stars called double stars, or \_\_\_\_\_.
- 15. A \_\_\_\_\_ is an object with gravity so strong that nothing, not even light, can escape.
- 16. The apparent change in position of an object when you look at it from different places
- 21. A giant ball of gas, primarily hydrogen and helium, which undergoes nuclear fusion