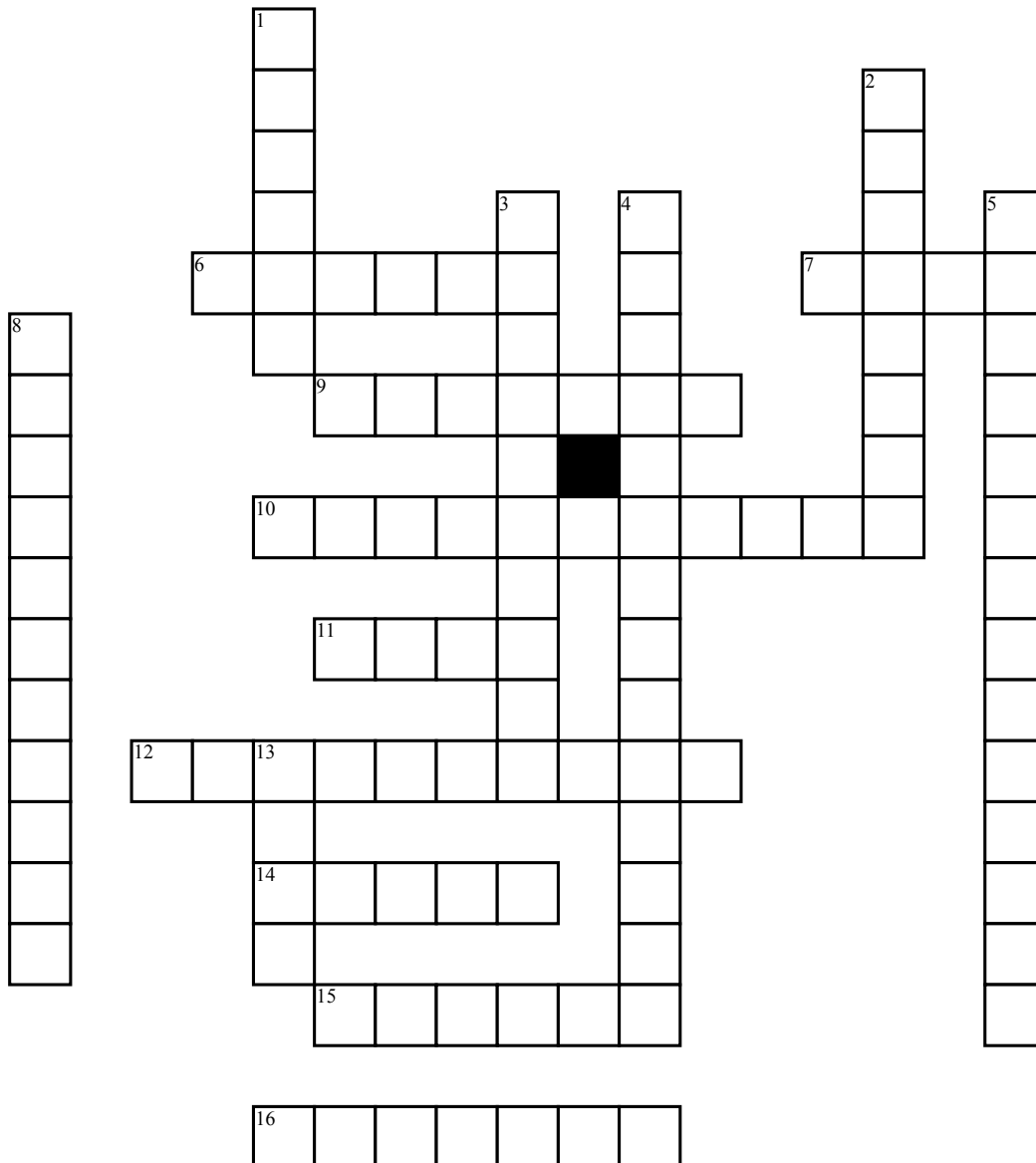


# Stars



**Across**

- 6. Our Sun appears brighter because it is \_\_\_ to us
- 7. The color of the coolest stars.
- 9. The \_\_\_ stars can have a mass of around 118.
- 10. Leo and the Big Dipper are two constellations \_\_\_ seen in our night sky.
- 11. The hottest stars are this colour.
- 12. The total amount of energy produced by a star per second.

- 14. Scientist use a \_\_\_ mass to measure a stars mass.
  - 15. The star \_\_\_, gives off 22 more luminosity per second than our Sun.
  - 16. \_\_\_ is the brightest star in the constellation Ursa Minor.
- Down**
- 1. Leo and the Big Dipper are two constellations \_\_\_ seen in our night sky.
  - 2. Our \_\_\_ stars can have a mass of 0.1.

- 3. A star's \_\_\_ depends on its apparent magnitude and absolute magnitude
- 4. \_\_\_ are the gathering of seen on Earth.
- 5. The color of our Sun.
- 8. Scientist use a \_\_\_ to determine the elements found in a star, it works by splitting light energy into patterns of colours for observations.
- 13.  $2 \times 10^{30}$ kg is the \_\_\_ of our Sun.