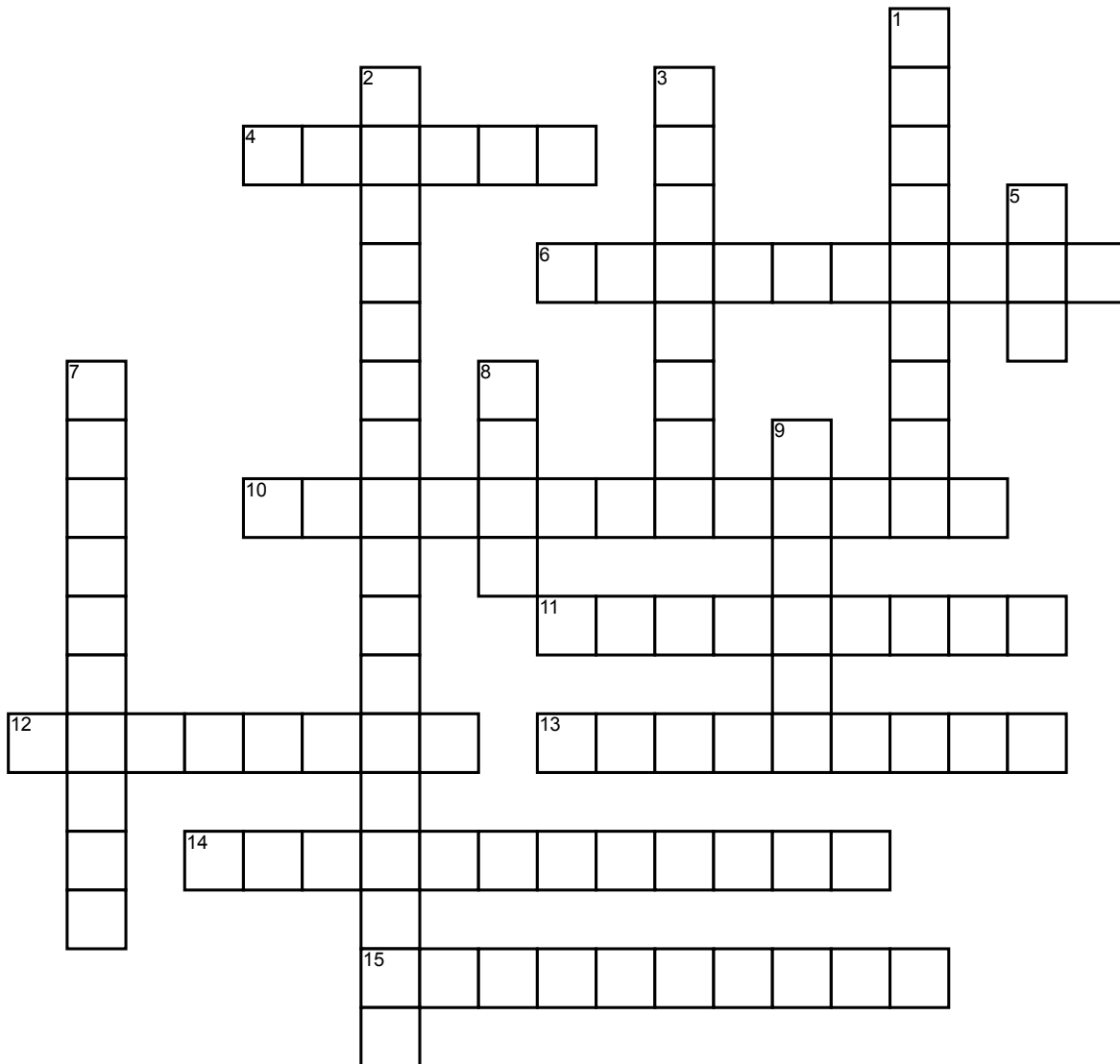


# Science Vocabulary 5.2



**Across**

- 4. A system of stars held together by gravity
- 6. Wavelengths visible to the human eye.
- 10. The theory that the universe was created due to an explosion at least 12 million years ago.
- 11. The rate at which something occurs
- 12. All existing matter and space

- 13. the graph showing the absolute magnitude plotted against the surface temperature for a group of stars.
- 14. An optical device for producing and observing a spectrum of light
- 15. An electromagnetic wave frequency used for long distance communication

**Down**

- 1. The distance travelled by light in one solar year.
- 2. range of wavelengths where electromagnetic radiation extends

- 3. the displacement of spectral lines toward longer wavelengths in radiation from distant galaxies and celestial objects
- 5. 13600000 degrees Celsius, 865,000 miles wide, process of nuclear fusion occurs here, and the center of our solar system.
- 7. the distance between successive crests of a wave
- 8. A huge ball of gas held together by gravity.
- 9. A cloud of interstellar gas and dust