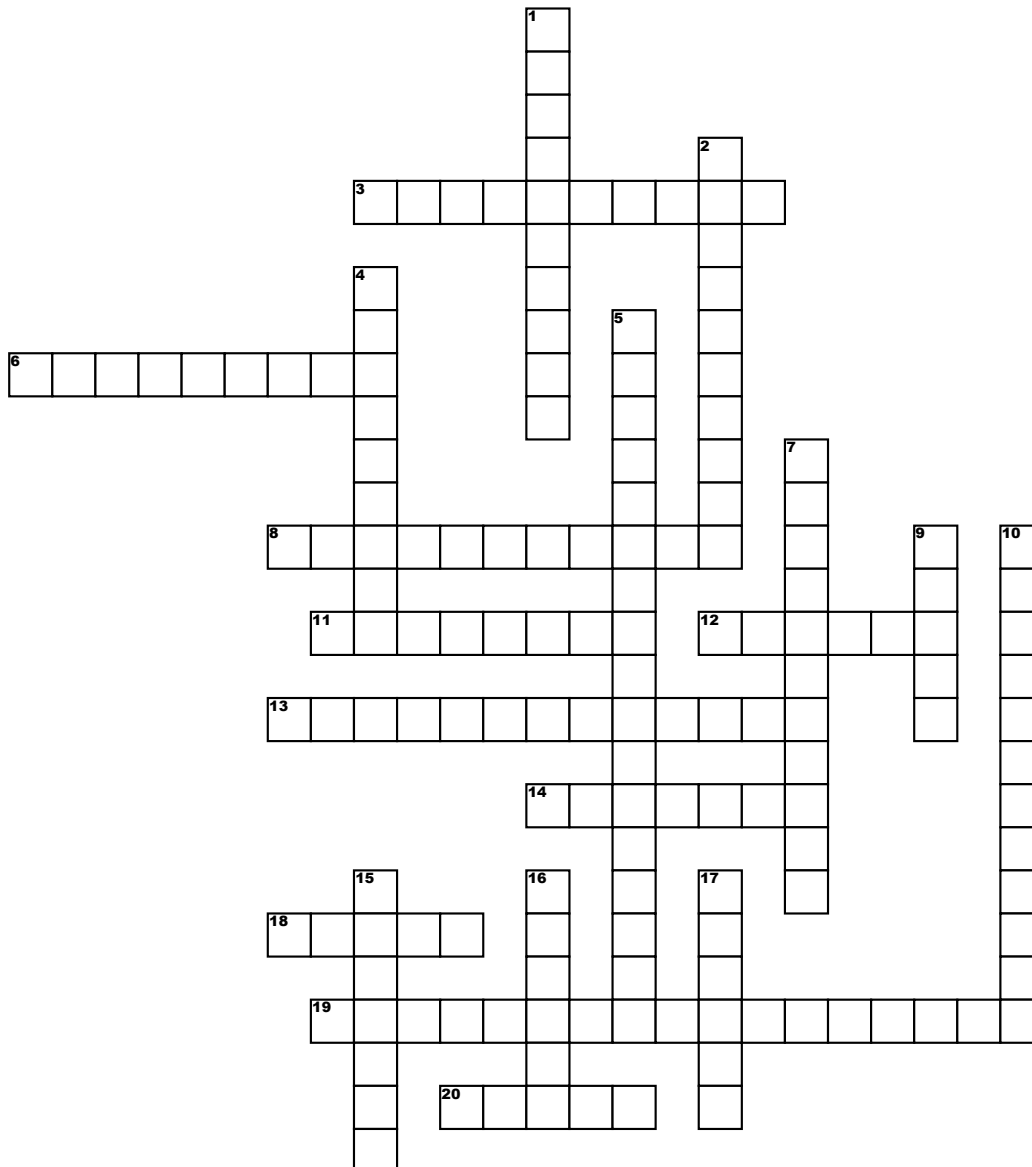


Stars



Across

3. a brief eruption of intense high-energy radiation from the sun's surface.

6. a unit of astronomical distance equivalent to the distance that light travels in one year

8. the luminous envelope of a star from which its light and heat radiate.

11. the displacement of spectral lines toward longer wavelengths

12. The rarefied gaseous envelope of the sun and other stars.

13. a group of stars forming a recognizable pattern that is traditionally named after its apparent form or identified with a mythological figure.

14. a spot or patch appearing from time to time on the sun's surface, appearing dark by contrast with its surroundings.

18. of the color of milk or fresh snow, due to the reflection of most wavelengths of visible light

19. the magnitude (brightness) of a celestial object as it would be seen at a standard distance of 10 parsecs.

20. a star of relatively great size and luminosity compared to ordinary stars

Down

1. a very large star that is even brighter than a giant, often despite being relatively cool.

2. the fact or condition of standing out from something by physically projecting or being particularly noticeable

4. a region of space having a gravitational field so intense that no matter or radiation can escape.

5. the magnitude of a celestial object as it is actually measured from the earth.

7. a celestial object of very small radius (typically 18 miles/30 km) and very high density, composed predominantly of closely packed neutrons.

9. a star of relatively small size and low luminosity

10. a reddish gaseous layer immediately above the photosphere of the sun or another star.

15. the rapid expansion of matter from a state of extremely high density and temperature that according to current

16. a cloud of gas and dust in outer space, visible in the night sky either as an indistinct bright patch or as a dark silhouette against other luminous matter.

17. a system of millions or billions of stars, together with gas and dust, held together by gravitational attraction.