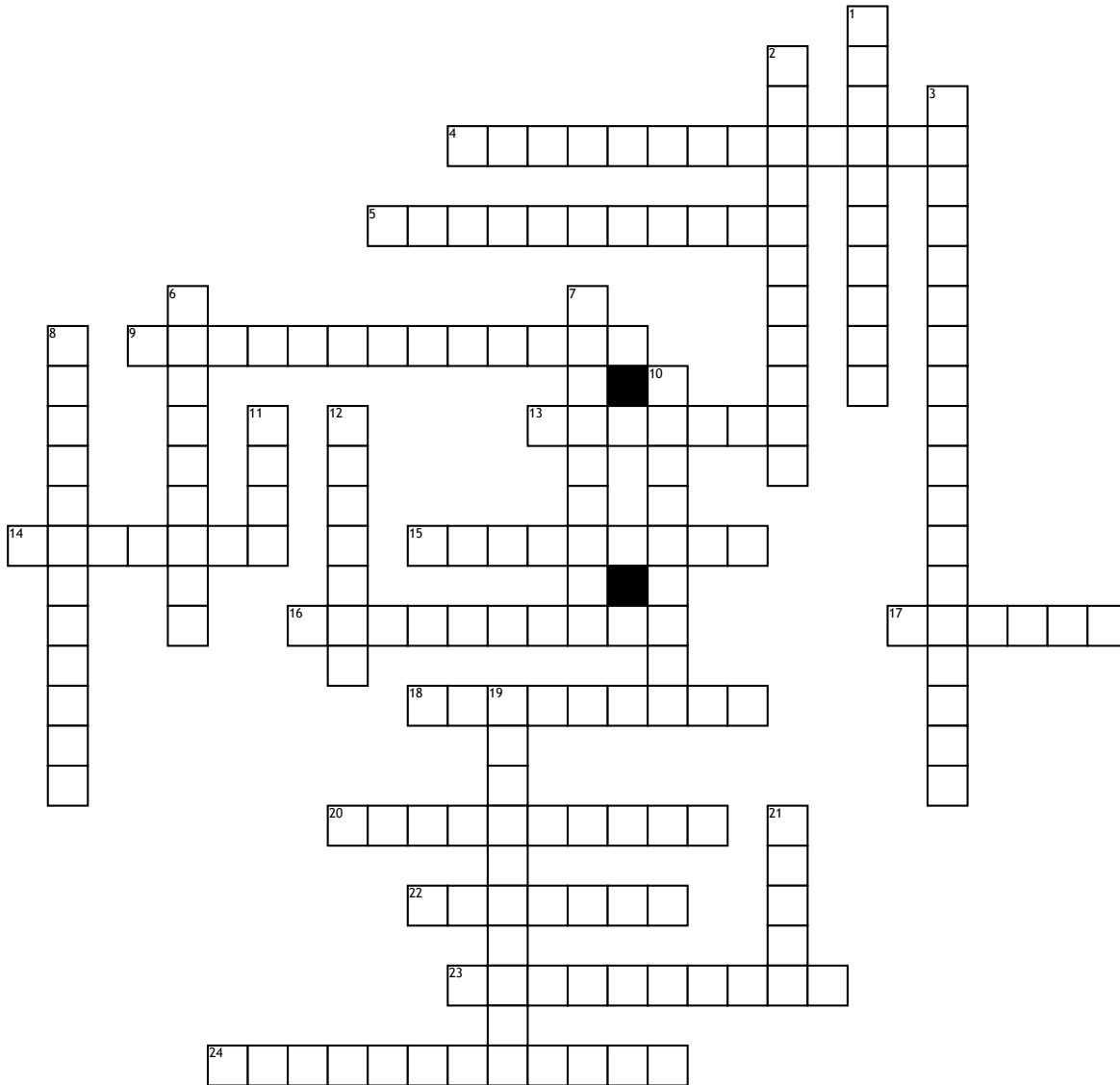


Astronomy



Across

4. A grouping of stars that make an imaginary picture in the sky
 5. An ordinary star such as the sun at a stable point in its evolution
 9. A condition found in the region around a magnet or an electric current, characterized by the existence of a detectable magnetic force at every point in the region and by the existence of magnetic poles.
 13. The total or partial blocking of one celestial body by another.
 14. The amount of matter contained within a given volume.
 15. Dense regions of molecular clouds where stars are forming.
 16. A layer of gases surrounding a planet, moon, or star.
 17. A cloud of dust and gas in space, usually illuminated by one or more stars.

18. Atomic nuclei (mostly protons) that are observed to strike the Earth's atmosphere with extremely high amounts of energy.

20. A very small, white star formed when an average sized star uses up its fuel supply and collapses.

22. The theory that suggests that the universe was formed from a single point in space during a cataclysmic explosion about 13.7 billion years ago.

23. The distance between consecutive crests of a wave.

24. A tube-like configuration of energy that is believed to have existed in the early universe.

Down

1. The amount of light emitted by a star.

2. A celestial body orbiting the Sun that is massive enough to be rounded by its own gravity but has not cleared its neighboring region of planetesimals and is not a satellite.

3. The gas and dust that exists in open space between the stars.

6. Energy radiated from an object in the form of waves or particles.

7. The collapsed core of a massive star

8. A phenomenon that occurs when the Moon passes into the shadow of the Earth.

10. An astronomical unit of measure equal to the distance light travels in a year, approximately 5.8 trillion miles

11. Electromagnetic radiation of a very short wavelength and very high-energy

12. A mutual physical force of nature that causes two bodies to attract each other

19. The stage in a star's evolution where the core contracts and the star swells to about five hundreds times its original size

21. A gigantic ball of ice and rock that orbit the Sun in a highly eccentric orbit.