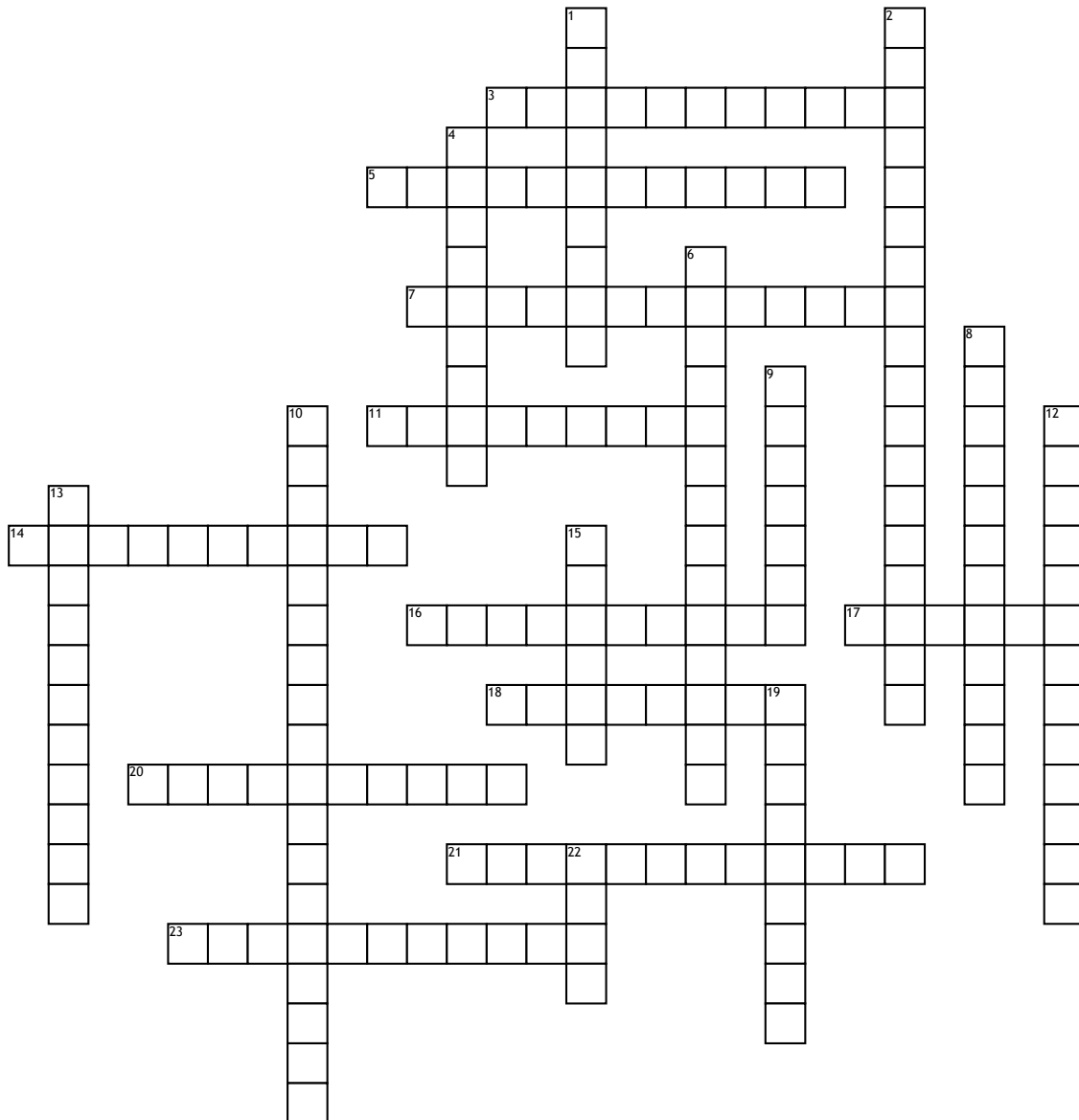


The Stars and Our Sun



Across

3. Huge loops of gas.
 5. The middle layer of the sun's atmosphere.
 7. A region of very tightly packed gas where energy moves mainly in the form of electromagnetic radiation.
 11. An object with gravity so strong that nothing can escape (not even light).
 14. The blue-white core of a star that is left behind.
 16. Streams of electrically charged particles.
 17. A large cloud of gas and dust spread out in immense volume.

18. Areas of gas on the sun's surface that are cooler than the gases around them.

20. Gas erupting in space.
 21. A device that breaks light into colors and produces an image.
 23. The remains of a high mass star.

Down

1. A contracting cloud of gas and dust with enough mass to form a star.
 2. A star's actual brightness if it were at a standard distance from Earth.
 4. A graph that plots the surface temperature of stars and their absolute brightness.

6. The outermost layer of the sun's interior.

8. 90 percent of all stars fall into this diagonal region of the HR Diagram.
 9. Spinning neutron stars.
 10. A star's brightness as seen from Earth.
 12. A process where hydrogen atoms combine to form helium to provide energy for our sun.
 13. The inner layer of the sun's atmosphere
 15. Outermost layer of the sun's atmosphere.
 19. An explosion of a high-mass star.
 22. The central region of our sun.