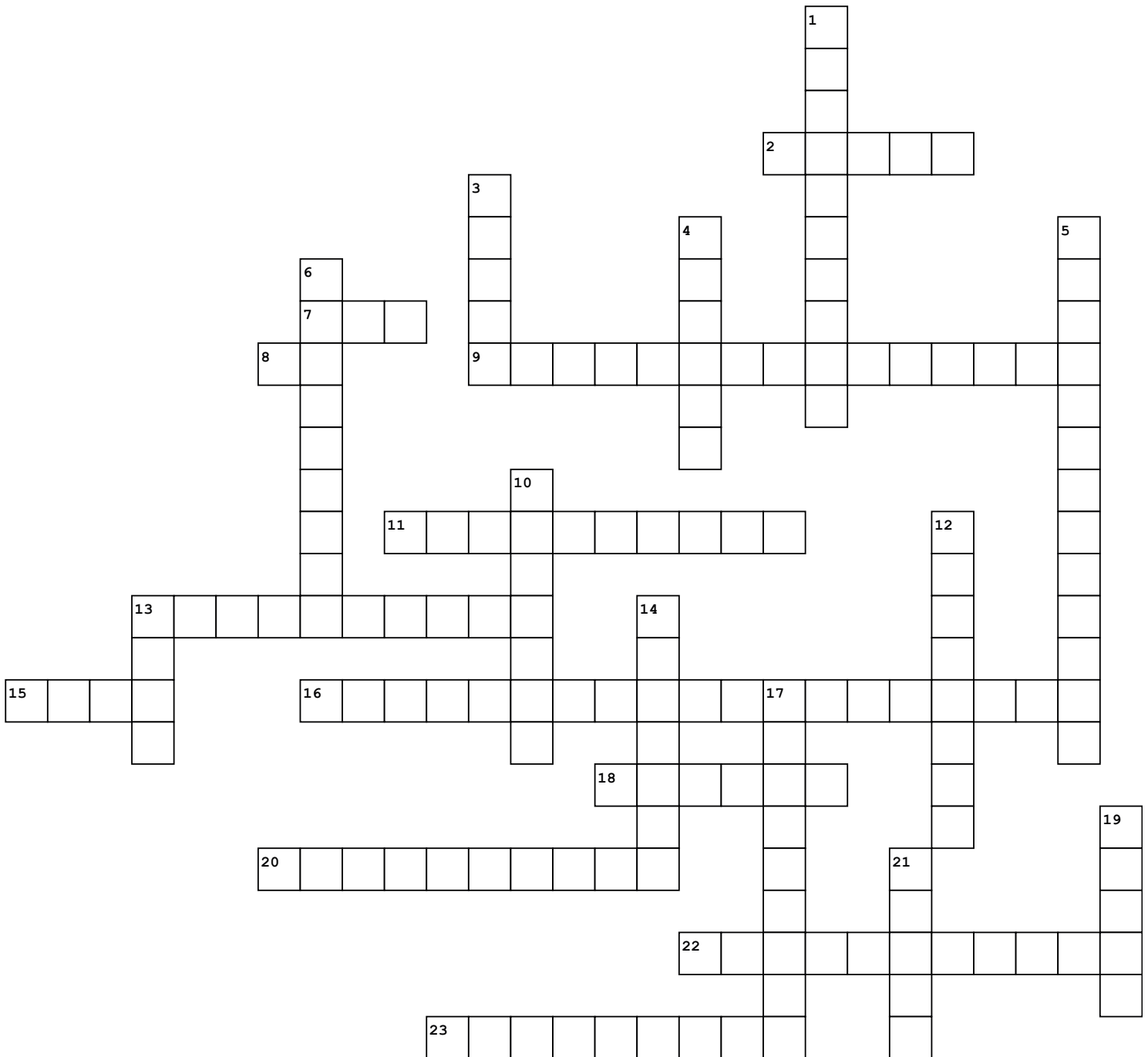


Universe vocabulary terms



Across

2. Star, a star with a substantially larger radius and luminosity than a main-sequence (or dwarf) star of the same surface temperature.
7. Dwarf Star, is the smallest and coolest kind of star in the main sequence.
8. Diagram, a graphical tool that astronomers use to classify stars according to their luminosity,

Down

1. Galaxy, they have very little dust and gas left between the stars
3. Dwarf Star, also called a degenerate dwarf, is a stellar core remnant composed mostly of electron-degenerate matter.
4. a fixed luminous point in the night sky

- spectral type, color, temperature, and evolutionary stage.
9. Spectrum, the range of wavelengths or frequencies over which electromagnetic radiation extends.
 11. a star that suddenly increases greatly in brightness because of a catastrophic explosion that ejects most of its mass.
 13. Star, begin to fuse helium in the core smoothly and not long after exhausting their hydrogen.
 15. Sequence Stars, These stars can range from about a tenth of the mass of the sun to up to 200 times as massive.
 16. Magnitude, The apparent brightness of a star is how bright it actually appears to an observer.
 18. are cosmic snowballs of frozen gases, rock and dust that orbit the Sun. ... When frozen, they are the size of a small town.
 20. a solid piece of debris from an object, such as a comet, asteroid, or meteoroid, that originates in outer space and survives its passage through the atmosphere to reach the surface of a planet or moon.
 22. Shaped Galaxy, gas and dust, and a central concentration of stars known as the bulge
 23. collectively referred to as spacetime and its contents.
 5. an apparatus for producing and recording spectra for examination.
 6. Galaxy, They have no defined shape nor structure and may have formed from collisions, close encounters with other galaxies or violent internal activity.
 10. Star, the collapsed cores of formerly massive stars that have been crushed to an extreme density by supernova explosions.
 12. a cloud of gas and dust in outer space, visible in the night sky
 13. the light or warmth
 14. made up of minerals rich in silicon and oxygen, "iron", consisting mainly of iron and nickel, or "stony-iron", a combination of the two.
 17. a relatively small chunk of rocky minerals that orbits the Sun, often described as a minor planet.
 19. Hole, a region of spacetime where gravity is so strong that nothing no particles or even electromagnetic radiation such as light—can escape from it.
 21. Way Galaxy, the galaxy of which the sun and the solar system are a part and which contains the myriads of stars that create the light