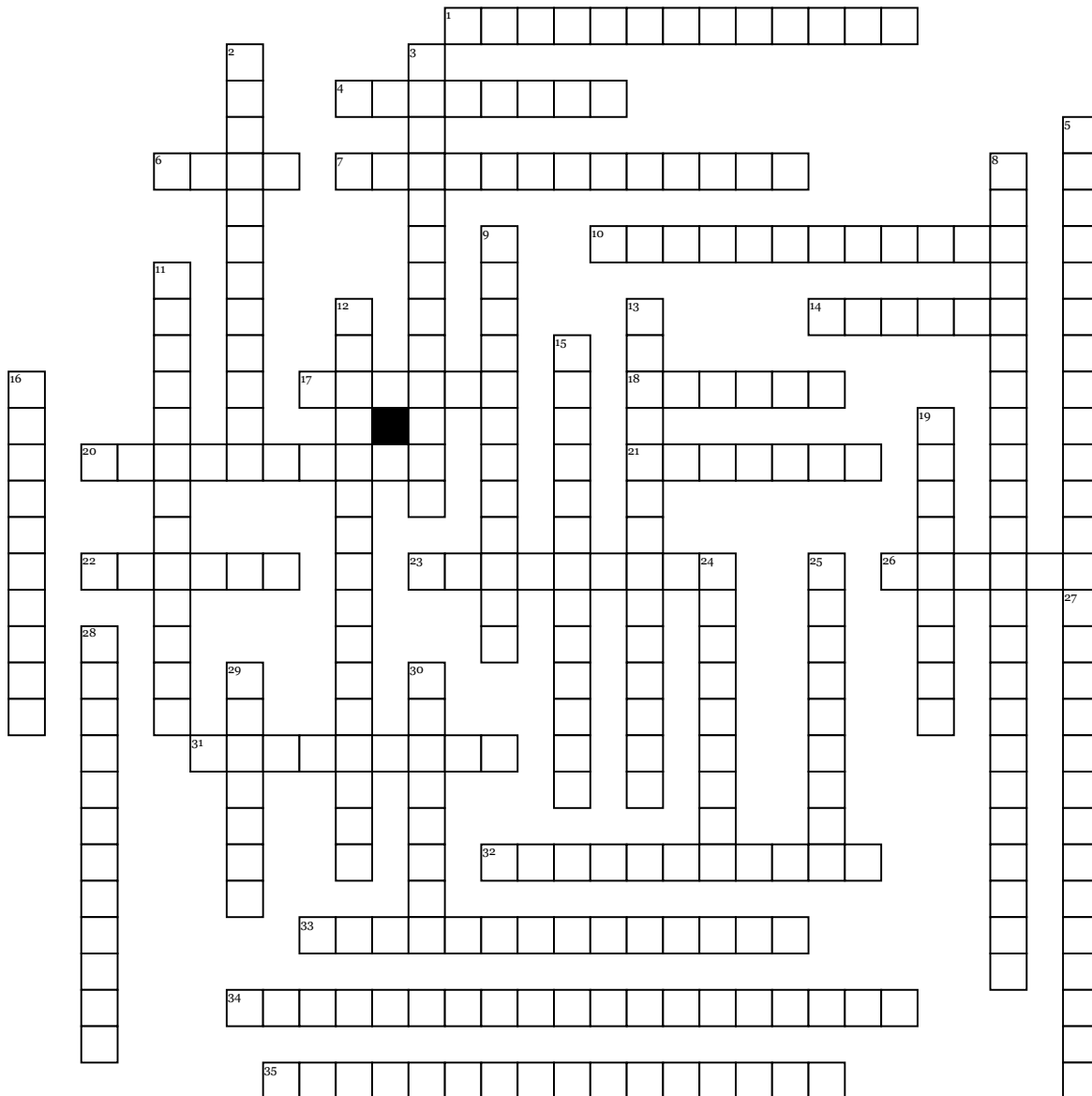


The Study of the Universe



Across

1. A recognizable shape formed by stars.
4. This contains billions of galaxies, each with stars and planets.
6. This is a hot ball of plasma.
7. This is the position away from the sun.
10. This occurs when the earth blocks light.
14. This is a celestial object that can orbit one or more suns.
17. This burns up in earth's atmosphere.
18. This is a large cloud of dust and gas.
20. A matter that is invisible because there is no interaction with light.
21. This is when your day is equal to your night.
22. This is a system held together by gravity.

23. This happens when a star's life comes to an end.
26. A object made of dust and ice.
31. The distance in which light travels.
32. The sun, and all the planets that orbit around it.
33. This is the longest day, and it represents the start of a season.
34. something that is put into space to orbit earth or another celestial object.
35. This is the average distance between the sun and a planet.

Down

2. This system has two stars.
3. This is the theory in which scientists believe the universe was formed.
5. This is a tool that separates light.
8. This is radiation that we can see.
9. This happens when the moon blocks the sun's light.

11. These are dark lines that form on stars.
12. This is the change in position the dark lines have moved.
13. This is the shortest day, and marks a much colder season.
15. This is the process in which atoms form and become larger.
16. Someone who studies the universe.
19. This is the early stages of a star.
24. This is the study of the universe.
25. This is a part of space that is so strong, light can't even escape it.
27. These are very bright lights that occur in the Southern and Northern hemisphere.
28. A ring of rocky debris that forms around the sun.
29. A secondary effect that is a benefit.
30. A light that separates into a band of colors when it passes through a prism.