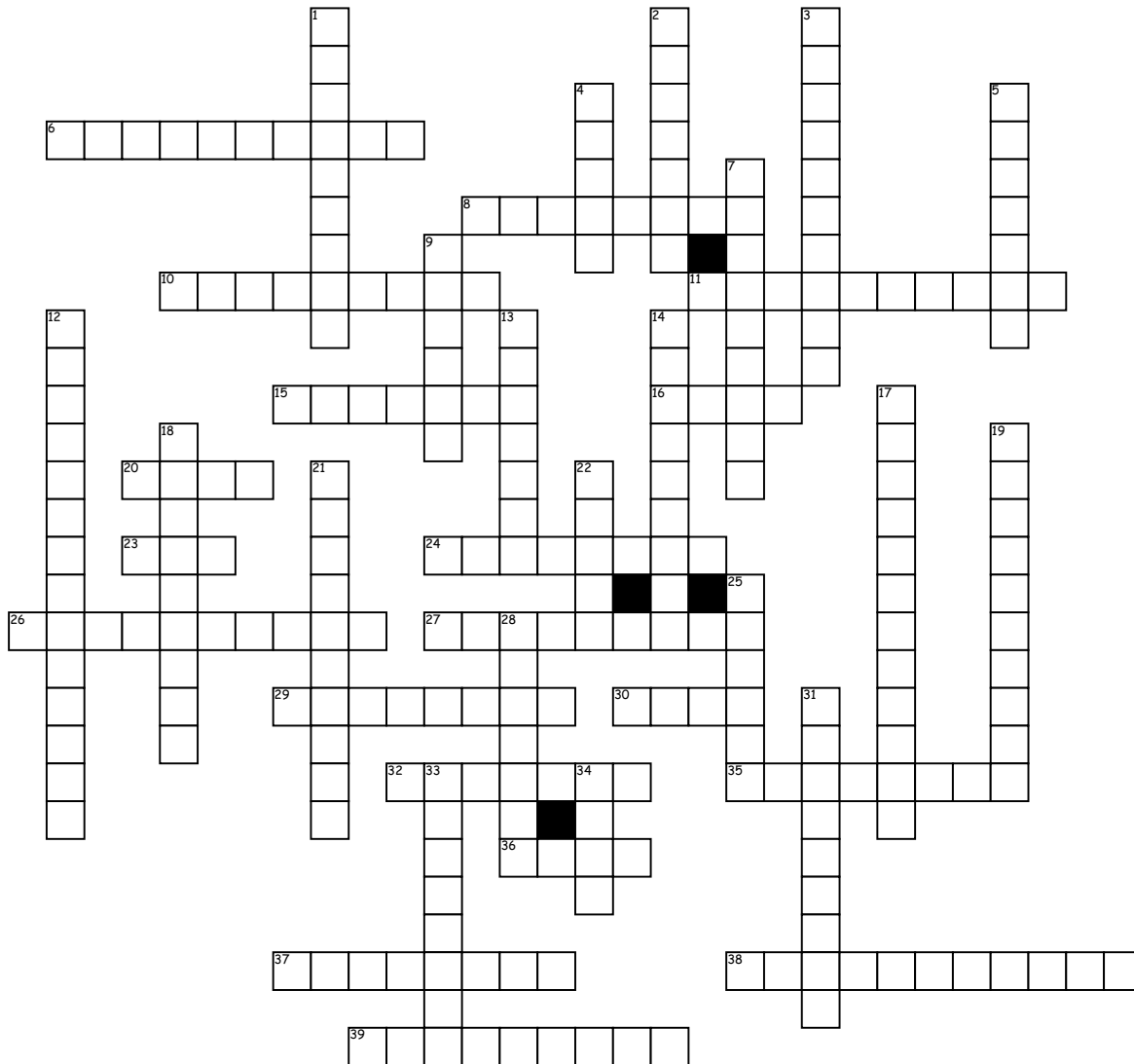


Space



Across

6. A layer of air between the earth and outer space
8. The distance a heavenly body appears above the horizon as measured in degrees
10. Once a year the sun reaches it's highest and lowest points in the sky at noon
11. The motion of a planet along its orbit around the sun
15. the phase of the moon when it is in conjunction with the sun and invisible from earth
16. A straight line that an object or body rotates, or seems to rotate around
20. The name of the satellite that orbits the earth
23. The time it takes for a planet to make a full rotation
24. the time when the moon's whole disk is illuminated.
26. the moon at any time after full moon and before new moon
27. The distance light travels in a year. This unit is used to measure distances in space
29. A bright star, also known as North Star or Polaris, that appears in the sky in the northern hemisphere
30. To send or give out
32. Of two types, solar and lunar

35. The motion of a planet satellite, or the sun around it's north-south axis

36. The time it takes for a planet to go all the way around the sun

37. Everything that exists: the earth, the sun, the moon, satellites, stars, asteroids, all the galaxies and the space in between them.

38. Either the north or south half of the earth divided by the equator, or the east or west half divided by the prime meridian

39. Chunks of rock that orbit the sun between the orbits of Mars and Jupiter.

Down

1. A man made or heavenly body that orbits around a larger object
2. A phase in the moon's cycle when more than half of the moon, but not the entire face of the moon, is illuminated
3. When the moon grows gradually more illuminated when passing from new to full moon
4. The path of a planet or other heavenly body as it revolves around another body in space
5. During the Sun's annual path in the sky it crosses the celestial equator at two points
7. Larger meteors that fall to the surface of the earth

9. When a meteoroid enters the earth's atmosphere, creating a bright streak of light

12. Bright stars grouped according to the patterns they make in the sky.

13. A device that uses shadow to tell time

14. An intense gravitational field created when a star runs out of fuel and collapses.

17. The four hard rocky planets closest to the sun

18. When the sun reaches it's highest point in the sky

19. the moon at any time after new moon and before full moon

21. These rocks may have been swept off asteroids and comets. They also orbit the sun, sometimes entering the earth's atmosphere

22. A large ball of ice, dust, rock, and gas that orbits the sun.

25. A hole created on the surface of an object or body, made by falling meteorites or by erupting volcanoes

28. A force that attracts and holds the universe together. It gives objects weight

31. The study of the universe and all of the bodies that appear in the skies.

33. the curved sickle shape of the waxing or waning moon.

34. A gaseous body that produces its own energy through nuclear fusion, releasing it as light and heat.