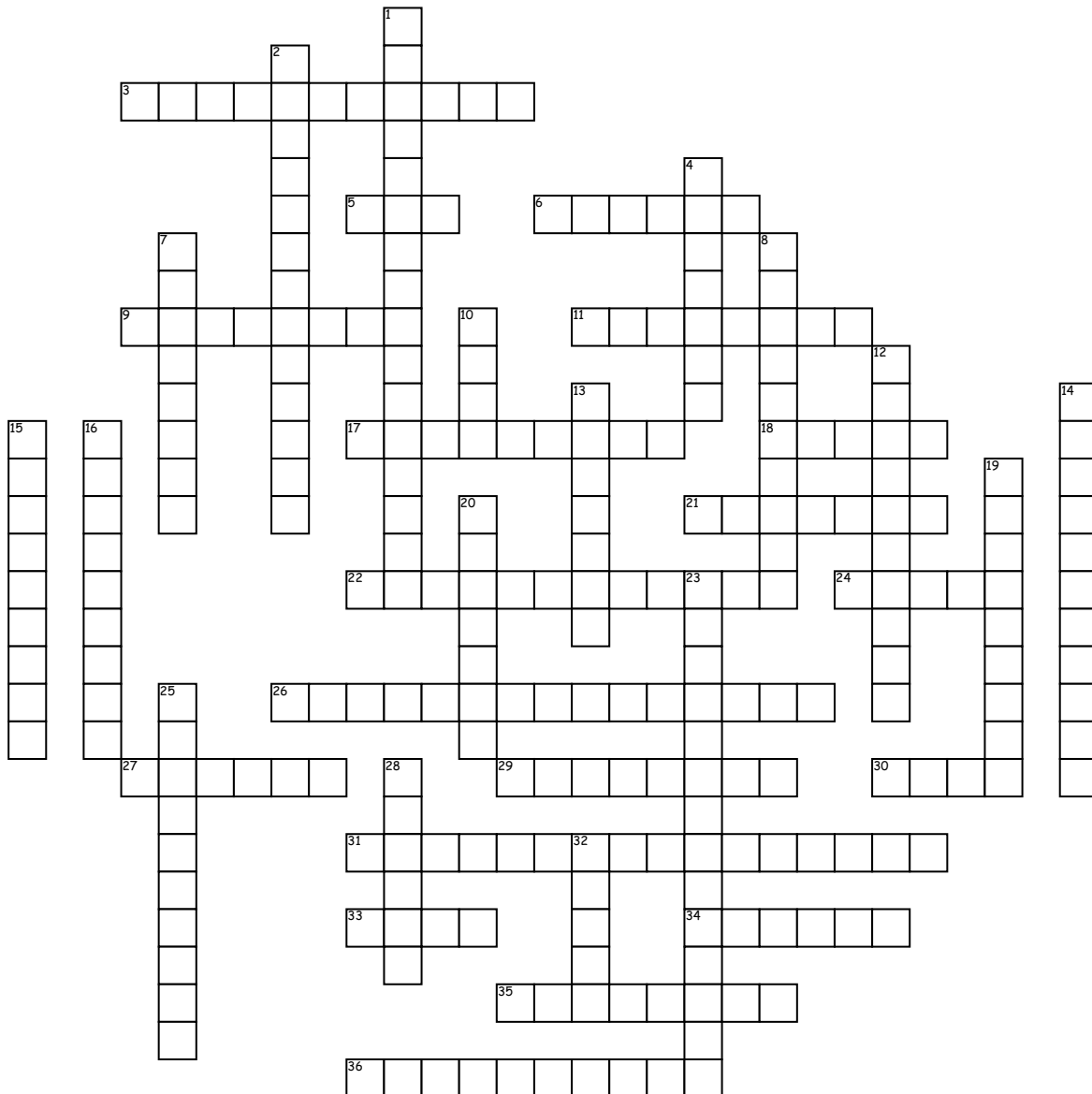


# Astronomy



## Across

3. lines of latitude  
 5. the time required for earth to rotate once on its axis  
 6. the point right above your head  
 9. angle between an object and the sky  
 11. small rocky body revolving around sun  
 17. a tool used to measure the positions of celestial bodies  
 18. cattleherders who positioned stones that lined up with the sunrise and summer solstice  
 21. where the sky and the earth meet  
 22. the sun is the center of the universe  
 24. the time required for the moon to orbit once around the earth  
 26. giant star map 'bubble'  
 27. A large grouping of stars in space  
 29. helps you locate stars and constellations  
 30. the time required for earth to orbit once around the sun

31. distance between earth and the sun (93 million miles)

33. Natural satellite of a planet  
 34. a giant cloud of gas and dust in space  
 35. to spin on an axis  
 36. when one object goes around another object

## Down

1. collects visible light, has objective lens  
 2. great explosion created universe 13-15 billion yrs ago  
 4. a.d. 140, predicted motion of planets, geocentric astronomer  
 7. tool used to organize time  
 8. the earth is the center of the universe  
 10. sphere of gas that makes energy  
 12. person who studies the stars and the universe  
 13. 1609, Italy, first astronomer to use a telescope

14. a star with bodies orbiting around it  
 15. tool used in science, collects radiation  
 16. learning about stars and the universe  
 19. the distance light travels in one year (6 trillion miles)  
 20. 360 degrees  
 23. lines of longitude  
 25. A spacecraft that studies space  
 28. Atoms join together to create energy  
 32. the pathway an object takes to go around another object