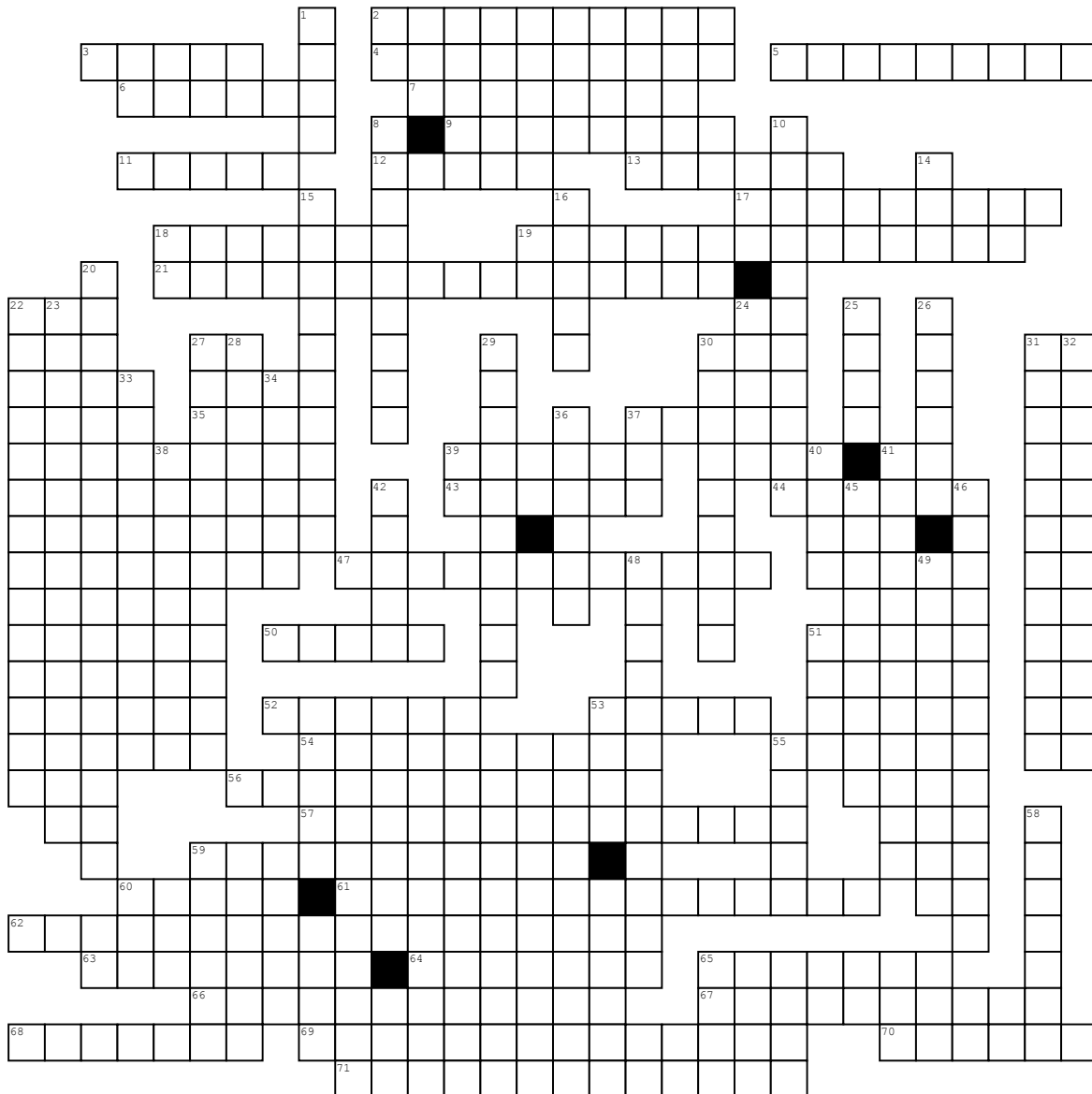


Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Planets and History of Astronomy



## Across

2. A region of the solar system that is just beyond the orbit of Neptune and that contains small bodies made mostly of ice.  
3. Hottest planet in our solar system and rotates backwards.  
4. An Earth centered universe is called?  
5. A meteoroid that passes through the atmosphere and hits the Earth's surface.  
6. What planet has the largest tilt?  
7. The distance from the Earth to the Sun of 152 million km  
9. A rocky metallic objects that orbit the sun but are too small to be considered planets and are leftovers from the formation of the solar system.  
11. Shooting stars really aren't stars; they are leftover parts of a \_\_\_\_\_ that the Earth passes through.  
12. Which planet, currently, is the only one to have liquid water on the surface?  
13. The 'Big Bang' is considered to be what?  
17. There are 24 standard \_\_\_\_\_ around the globe.  
18. This ancient culture is credited with making detailed observation of comets and supernova in 1054 BC  
19. This astronomer was Brahe assistant? (Full Name)  
21. What does AU stand for? (Two words)  
35. What explains why distance to the Sun isn't what makes it winter or summer?  
37. Eratosthenes used a stick, a well, and an assistant to calculate the circumference of this?  
39. The Outer Planets are called what?  
43. This defines a \_\_\_\_\_ 1) is in orbit around the Sun, 2) has sufficient mass so that it assumes a hydrostatic equilibrium (nearly round) shape, and 3) has cleared the neighborhood around it's orbit.  
44. By using a small telescope, we see this planet has rings  
47. One unique feature of Jupiter is the?  
50. Kepler came up with how many laws of planetary motion?  
52. Name the location, when a satellite is traveling the slowest and is farthest from Earth?  
53. This device can be used to separate white light into its colors?  
54. The apparent backward motion of a planet is called?

56. A Sun centered Universe is called?  
57. This astronomer used this new invention, the telescope, to help prove the correct model of the solar system? (Full Name)  
59. When a star was moving towards us, the light is considered to be?  
60. All Jovian planets have this in common?  
61. This astronomer proposes the Earth was at the center and other planets had epicycles. (Full Name)  
62. Which astronomer challenged the idea of a geocentric solar system? (Full Name)  
63. The spinning motion of a planet about its own axis  
64. The 'Great Dark Spot' is on which planet?  
65. Term that describes equal amounts of day/night  
66. The illuminated portion of the Moon is increasing. The right side is lit.  
67. Which astronomer died from a bladder infection? (Full Name)  
68. This is the smallest planet in our solar system and it has no moon or no atmosphere.  
69. Earth is not a perfectly round sphere, it is more like a squished basketball, also know as  
70. In what season does aphelion occur?  
71. This happen with both light and sound, apparent shift in wavelength emitted by source either moving towards or away from an observer?

## Down

1. When you look at the stars, you are actually looking into the?  
8. A chunk of rock or dust in space  
10. Proposed the Earth rotates on its axis and revolves around the Sun in 260 BC  
14. What is the closest star to the Earth? (Scientific Name)  
15. Aristotle, a Greek astronomer, proposed what model of the Solar System in 340 BC?  
16. All Terrestrial planets have this in common?  
20. 23.5 degrees S latitude, shortest day of the year  
22. 23.5 degrees N latitude, longest day of the year  
23. The following was considered correct for the order the solar system: Earth-Moon-Venus-Mercury-Sun-Mars-Jupiter-Saturn-Stars  
24. A dwarf planet in our solar system that has four moons?  
25. What celestial object has been visited by human? (Scientific Name)  
26. A streak of light in the sky produced by the burning of a meteoroid in Earth's atmosphere.  
27. What separates the Inner Planets from the Outer Planets (Two Words)  
28. Which civilization recorded the first eclipse, in 2136 BC?  
29. The movement of an object around another object  
30. Most comets come from this location, past Pluto (Two words)?  
31. The illuminated portion of the Moon is decreasing. The left side is lit.  
32. Most famous comet is - that comes around every 76 years (Two words)?  
33. The Inner Planets are considered what?  
34. What location do objects orbits the Sun the fastest?  
36. In what season does the perihelion occur?  
38. Formation of theories about the origin and change overtime of the entire universe  
40. Covered in iron oxide (rust), this planet appears reddish in color  
41. The Earth block the light from the Sun reaching the Moon (order S.E.M.)  
42. Newton came up with how many laws of motion?  
45. This Dutch eyeglass maker, Johannes Lippershey, is created in make this new tool to study the heavens.  
46. First person to walk on the Moon  
48. The Moon block the light from the Sun reaching the Earth (order S.M.E.)  
49. The distance from the Earth to the Sun of 147 million km  
51. How much of the moon is always lit, whether we see it or not?  
55. A mixture of all color of light  
58. The point in the orbit of a satellite or moon at which it comes nearest to the object it is orbiting