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Planets and History of Astronomy

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| **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 |