

Astronomy A100 Final Review. Which Planet has the highest average surface temperature and why?
 A. Mercury, because it is closest to the Sun. B. Mercury, because of its dense carbon dioxide atmosphere. C. Venus, Because of its dense carbon dioxide atmosphere. D. Mars, a?]



Earth is farthest from the Sun when it is summer in the Northern Hemisphere. (C)timeanddate . NEWS: Aphelion 2024, and why next summer will be shorter. Changing Elliptical Orbit. The Earth orbits the Sun in an elliptical path, which means that there is one point on the path closest to the Sun and one point that is farthest away from the Sun.



. Compared with how far away the Sun is, this change in Earth's distance throughout the year does not make much difference to our weather. There is a different reason for Earth's seasons. Earth's axis is an imaginary pole going right through the center of Earth from "top" to "bottom." Earth spins around this pole, making one complete turn each day.

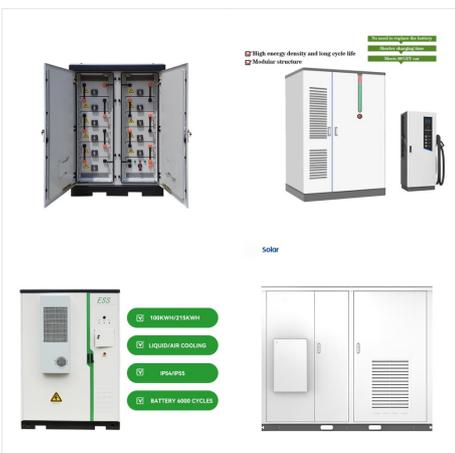
WHICH OF THE FOLLOWING IS FURTHEST FROM THE SUN



6. (A) Uranus is about 19.25 AU from the sun. (B) Neptune is about 30.1 AU from the sun. (C) An asteroid belt is about 3.2 AU from the sun. (D) The outer belt in the kuiper belt is about 50 AU from the sun while inner belt is about 30 AU from the sun. [View the full answer]



The farthest planet, Neptune. It lies at around 4.5 billion km / 2.8 billion mi or 30.07 AU away from the Sun. Like Uranus, it is also an ice giant. It has a series of faint planetary rings, around 14 confirmed moons, and it has the fastest wind speeds of any planet, reaching speeds of 2.160 km / 1.314 mi per hour.



The solar system is a group of celestial bodies orbiting around the dwarf star called the Sun. The main members of the solar system are eight major planets, and their satellites. Other interesting members are comets, meteors and meteorites and dwarf planets. The order of the planets from the Sun from nearest to the farthest [a?]

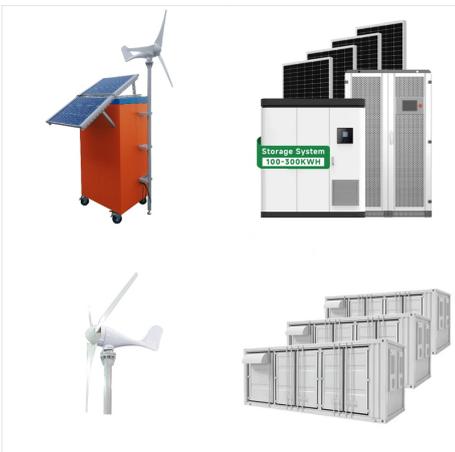
WHICH OF THE FOLLOWING IS FURTHEST FROM THE SUN



Study with Quizlet and memorize flashcards containing terms like Which of the following statements about comets and asteroids is true? A) There are about 1 million known asteroids in the solar system. B) Most of the trillions of comets in our solar system have tails. C) Only asteroids collide with Earth. D) Comets are balls of ice and dust. E) All asteroids lie in the a?]



Study with Quizlet and memorize flashcards containing terms like If you modeled the following objects as an ellipse, which object has the largest eccentricity?, At what point in its orbit is the Earth moving the fastest?, An asteroid orbits the Sun at an average distance $a = 4$ AU. (perihelion) and beyond Mars when furthest from the Sun



Its farthest distance from the Sun is far beyond the orbit of Pluto; A comet is in an elliptical orbit around the Sun. Its closest approach to the Sun is a distance of 4.8×10^{10} m (inside the orbit of Mercury), at which point its speed is 9.6×10^4 m/s. Its farthest distance from the Sun is far beyond the orbit of Pluto.

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Which of the following associations is INCORRECT? A) aphelion a?? Earth furthest from the sun B) vernal equinox a?? equal day/equal night C) summer solstice a?? solar declination at the Tropic of Cancer D) autumnal equinox a?? shortest day of the year for the Arctic Circle



The temperature in the chromosphere varies between about 4000 K at the bottom (the so-called temperature minimum) and 8000 K at the top (6700 and 14,000 degrees F, 3700 and 7700 degrees C), so in this layer (and higher layers) it actually gets hotter if you go further away from the Sun, unlike in the lower layers, where it gets hotter if you go



Mercury is the first planet in our solar system. It is the closest planet to the Sun, located at an average distance of 36 million miles (58 million kilometres) from our star cause this small planet is so close to the Sun's harmful solar winds, it a?]

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The following images show six objects in our solar system. Rank the objects from left to right based on their average distance from the Sun, from farthest to closest. even though Venus is nearly twice as far from the Sun. Which of the following factors determine how long it takes a planet to orbit the Sun?



Study with Quizlet and memorize flashcards containing terms like VWhat kinds of planets are expected to form close to the Sun?, Which of the following objects or regions is the furthest from the Sun?, Which of the following methods is the most difficult way to search for planets around other stars? and more.

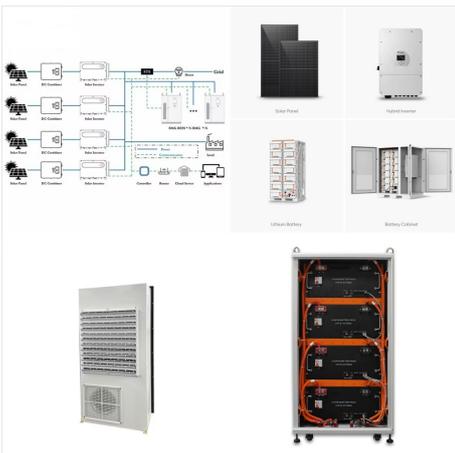


Pluto's 248-year-long, oval-shaped orbit can take it as far as 49.3 astronomical units (AU) from the Sun, and as close as 30 AU. (One AU is the mean distance between Earth and the Sun: about 93 million miles or 150 million kilometers.) But on average, Pluto is 3.7 billion miles (5.9 billion kilometers) away from the Sun, or 39 AU.

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The order of the planets in the solar system, starting nearest the sun and working outward is the following: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and then the possible



During perihelion, Earth reaches its closest approach to the Sun. It occurs every year around January 4. Conversely, during aphelion, Earth is farthest from the Sun, which occurs every year around July 5.



Earth is the fifth largest planet in the solar system. It has an equatorial diameter of about 7,926 miles (12,756 kilometers). Earth is the third planet from the Sun, orbiting at an average distance of 93 million miles (149.7 a?)

WHICH OF THE FOLLOWING IS FURTHEST FROM THE SUN



Question: Which of the following are correct, ordered from closest to the sun to furthest from the sun? Check all that apply. The asteroid belt is between the orbits of Jupiter and Saturn The kuiper belt is between the orbits of Earth and Mars The asteroid belt is between the orbits of Mercury and Venus The asterold belt is between the orblts of Venus and Earth The



Neptune is the farthest planet from the Sun in our solar system. Neptune is the windiest planet in our solar system, with wind speeds reaching up to 1,300 miles per hour. Neptune a huge spinning storm known as "The Great Dark Spot". It a?|



Study with Quizlet and memorize flashcards containing terms like How does the Sun's mass compare with that of the planets? A. it is a thousand times more massive than all the planets combined. B. it is about as massive as all the planets combined C. it is a thousand times more massive than earth D. it is a hundred times more massive than all the planets combined E. It is a?|

WHICH OF THE FOLLOWING IS FURTHEST FROM THE SUN



Neptune is the planet that is furthest from the Sun among the given options. While all the options mentioned are located in the outer regions of our solar system, Neptune is the farthest from the Sun. . It is the eighth and final planet in our solar system, located beyond Uranus. The average distance between Neptune and the Sun is approximately 2.8 billion miles a?]



Study with Quizlet and memorize flashcards containing terms like Which of the following statements about comets and asteroids is true? A) Most of the trillions of comets in our solar system have tails. B) Comets are balls of ice and dust. C) All asteroids lie in the asteroid belt between Mars and Jupiter. D) Only asteroids collide with Earth. E) There are about 1 million a?]



Study with Quizlet and memorize flashcards containing terms like How does the Sun's mass compare with that of the planets? A) It is a hundred times more massive than Earth. B) It is a thousand times more massive than Earth. C) It is a hundred times more massive than all the planets combined. D) It is a thousand times more massive than all the planets combined. E) It a?]

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The Kuiper Belt is a region in our solar system extending from about 30 to 50 AU (Astronomical Units) from the Sun, where one Astronomical Unit is the average distance between the Earth and the Sun. Neptune, the furthest planet from the Sun, is found just before the beginning of the Kuiper Belt.



The comet in the Oort Cloud is the farthest from the Sun when compared to Pluto, Neptune, and an asteroid in the asteroid belt. The Oort Cloud is an extensive region filled with cometary objects, stretching from about 2,000 to 100,000 AU (Astronomical Units) from the Sun, enormously farther than Neptune, which orbits the Sun at 30 AU.



Which of the following is furthest from the Sun? a comet in the Oort cloud. Where did the elements heavier than hydrogen and helium come from? They were produced inside stars. Why did the solar nebula heat up as it collapsed? As the cloud shrank, its gravitational potential energy was converted to thermal energy.