

Planets by distance from sun





Overview

The eight planets in our solar system each occupy their own orbits around the Sun. They orbit the star in ellipses, which means their distance to the sun varies depending on where they are.

Order of the Planets by the Distance From the Sun
Mercury Mercury, named after a Roman god, is 36 million miles away from the sun and 48 million miles from Earth. Venus Venus, named after the Roman goddess of love and beauty, is 67.2 million miles from the sun and 26 million miles away from Earth. Earth . Mars . Jupiter . Saturn . Which planets orbit the Sun?

Planets and other objects in our Solar System. Credit: NASA. First the quick facts: Our Solar System has eight “official” planets which orbit the Sun. Here are the planets listed in order of their distance from the Sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune.

How do planets' distance from the Sun vary?

The planets' distance from the Sun varies because all the planets orbit the Sun on different elliptical paths. The top row of planets shows the distance in kilometers or miles. The second row of planets dotted on a line illustrates their relative distance from the Sun and each other.

Which planets are in order of distance from the Sun?

Planets in order of distance from the Sun: Planets In Order Of Mass: 1. Mercury
The planet Mercury. Image source: NASA The first planet in our solar system is Mercury. It is slightly smaller than Earth’s moon and is extremely hot. As in 850 Fahrenheit or so.

How many planets orbit the Sun?

First the quick facts: Our Solar System has eight “official” planets which orbit the Sun. Here are the planets listed in order of their distance from the Sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. An easy mnemonic for remembering the order is “My Very Educated Mother Just Served Us Noodles.”



Which planet is farthest from the Sun?

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 has the strongest winds ever recorded on any planet in the solar system.

How many planets are in the Solar System?

Our solar system is located in the Orion spiral arm of the Milky Way Galaxy and contains eight official planets that orbit counterclockwise around the Sun. The order of the eight official solar system planets from the Sun, starting closest and moving outward is: The planets in order from the Sun. Image created using IAU / NASA APOD.



Planets by distance from sun



Planets in Order From the Sun (Plus Dwarf Planets)

As the planet we're very likely all from, the Earth is the third rock from the Sun and the only planet in the Solar System with known life. We sit among over 1.5 million other species that all flourish around us.

How Big Is the Solar System?

Our solar system's largest planet is an average distance of 484 million miles (778 million kilometers) from the Sun. That's 5.2 AU. Jupiter is the largest of the planets, spanning nearly 1.75 millimeters in diameter on our football field scale. Jupiter's diameter is



Planets in Order From the Sun , Pictures, Facts, and

Our solar system is located in the Orion spiral arm of the Milky Way Galaxy and contains eight official planets that orbit counterclockwise around the Sun. The order of the eight official solar ...



Planets in Order: A Simple Trick To Remember

The order of the planets depends on their distance from the Sun. It starts with the nearest planet to the Sun and works its way outward. If you want to keep track of the order, there is a simple



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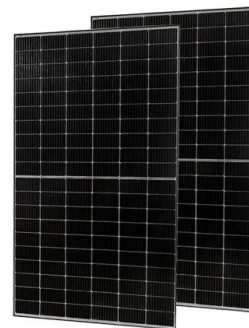
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[Distance, Brightness, and Size of Planets](#)

The planets' distance from the Sun varies because all the planets orbit the Sun on different elliptical paths. The top row of planets shows the distance in kilometers or miles . The second ...

[Order Of the Planets From The Sun](#)

Uranus is the seventh planet from the sun at a distance of about 2.9 billion km (1.8 billion miles) or 19.19 AU. Though it is classified as a "gas giant", it is often referred to as an "ice



Distance Between Planets Of The Solar System , KM & Current Distance

The distance among each of the eight planets in our Solar System will alter depending on where each planet is in its orbit revolution around the Sun. Depending on the time of year the distance can also differ significantly. The main reason for the planets to vary their



Planet Sizes and Locations in Our Solar System

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 ...

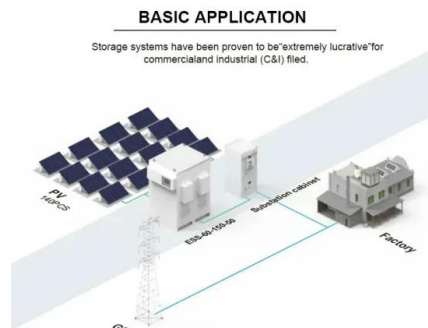


Distances Between the Planets of the Solar System

Distances Between Planets The distances between planets will vary depending on where each planet is in its orbit around the Sun. Sometimes the distances will be closer and other times they will be farther away. Planetary distance calculator To calculate the

Planets in Order: Ultimate Guide to Our Solar System ...

Planets Distance from the Sun in Astronomical Units The distances are not fixed, due to the elliptical nature of orbits, which means the planets can come slightly closer to or further from the Sun in their pathways. ...



How Far Are The Planets From The Sun?

The eight planets in our solar system each occupy their own orbits around the Sun. They orbit the star in ellipses, which means their distance to the sun varies depending on ...



Name all the planets according to their distance from the sun.

Answer: There are numerous planets that revolve around the sun in their own orbits. Our planet is also one of those that sustain life. The names of all the planets are as follows, in order of their distance from the sun are, Mercury Venus Earth Mars Jupiter Saturn



Solar System Facts

Our solar system includes the Sun, eight planets, five dwarf planets, and hundreds of moons, asteroids, is the distance from the Sun to Earth, or about 93 million miles (150 million kilometers). The Oort Cloud is the boundary of the Sun's gravitational The Sun

[Planets of our Solar System](#)

Learn about the different planets in our Solar System. Find out their size, temperature and distance from the Sun in this Scotland Second Level Science article. The planets Every object in our



[The Solar System to Scale: Dynamic 2D Model](#)

1 pixel = 1,000 km. This 2D visual model illustrates the scale of the sun and planets in our solar system, and their current distance from each other. The Solar System to Scale in which every pixel on the screen represents 1,000 kilometers.



Planets In Order: By Size And Distance From The Sun

The planets in order from the sun are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and finally the dwarf planet Pluto. Most people have at least heard ...



[How Big is Our Solar System? 1](#)

Problem 1 - The table below gives the distance from the Sun of the eight planets in our solar system. By setting up a simple proportion, convert the stated distances, which are given in millions of kilometers, into their equivalent AUs, and fill-in the last column of the

How Far is the Sun From Earth? , Distance, KM, Time

Since the Earth moves around the Sun, the distance differs, with Earth's closest point from the Sun - perihelion - reaching 147.5 million km / 91.3 million mi. When it comes to Earth's farthest point from the Sun - aphelion - it is around 152 million km / 94.5 million mi, a little over 1 AU away from the Sun.



Discover the Planets in Order From the Sun , Almanac

Facts: Largest planet in solar system; four rings; largest ocean in solar system--made of hydrogen; winds reach up to 335 miles per hour at equator. Distance from Sun: 484 million miles. Closest distance to Earth: 367 million miles. Rotation: 4,333 Earth days



Our Solar System: Animated Size and Distance Comparison of the Sun ...

All objects 1550x larger, so you can see them! The eight planets in our solar system each occupy their own orbits around the Sun. They orbit the star in ellip



Solar system planets, order and formation -- a guide , Space

nine) planets of the solar system in order from nearest to the sun and discover the many wonders of our solar system This is roughly the average distance between Earth and the sun. Related: 10

[How Far Are The Planets From The Sun?](#)

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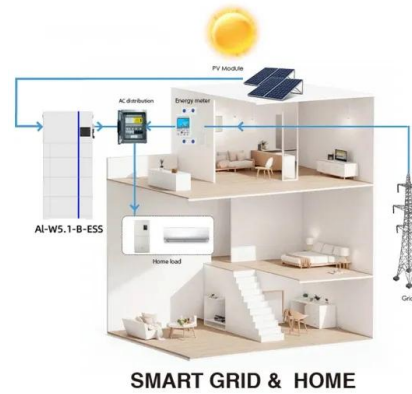
[The Order of the Planets from the Sun](#)

Explore the order, sizes, distances, and unique features of the planets from the Sun in our solar system. Tailored for high school students, our comprehensive guide includes a brief history of discovery and provides a fundamental understanding for both science exams and curiosity-driven cosmic exploration.



In Depth , Earth

Introduction Our home planet is the third planet from the Sun, and the only place we know of so far that's inhabited by living things. While Earth is only the fifth largest planet in the solar system, it is the only world in our solar system with liquid water on the surface.



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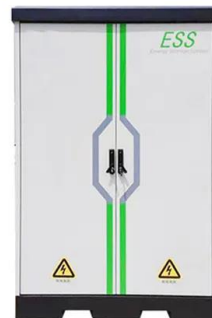


What are the distances of all planets from the Sun in

We already know that the distance of all the planets are generally calculated by keeping the Sun as the main location point. The distances of all the planets from the Sun in scientific notation and exponential form- Mercury- 57 million kilometers. Scientific notation- 5.7×10^7 "km" Venus- 108 million kilometers. Scientific notation- 1.08×10^8 "km" Earth- 150 ...

Dwarf Planets: All Dwarf Planets List in Order

Dwarf planets in order from the Sun As given in the above table, Ceres is the closest dwarf planet in our solar system and it is also IAU-defined. The IAU-defined farthest dwarf planet is Eris which is located in the scattered disc with ...



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Planets in Order From the Sun in the Solar System

Neptune is the eighth and last planet from the Sun in the Solar System. This ocean-blue gas giant is probably composed of a rocky core and a surface ocean hidden under the atmosphere of hydrogen and helium. Due to ...



How Far Is Each Planet?

Mercury is the closest planet to the sun at an average distance of 35-million miles. The elliptical orbit causes Mercury to get as close to the sun as 29-million miles and as far as 43-million miles. To put this into scale, Mercury is on average 0.387 AU from the sun.



Planet Distance to Sun , How Far Are The Planets From The Sun?

Planet Distance to Sun You must be wondering the planet distance to Sun. The distance between the Earth and the Sun defines the astronomical unit, which is by convention 150 million km (93.2 million miles). Jupiter, the largest planet, is 5.2 AU from the Sun

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