

Diameter of all the planets in the solar system

Sample Order
UL/KC/CB/UN38.3/UL





Overview

What are the sizes of planets based on the equatorial diameter?

This is a simple guide to the sizes of planets based on the equatorial diameter – or width – at the equator of each planet. Each planet's width is compared to Earth's equatorial diameter, which is about 7,926 miles (12,756 kilometers). At the bottom of the page, there is a handy list of the order of the planets moving away from our Sun.

What are the approximate sizes of the planets relative to each other?

This illustration shows the approximate sizes of the planets relative to each other. Outward from the Sun, the planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune, followed by the dwarf planet Pluto. Jupiter's diameter is about 11 times that of the Earth's and the Sun's diameter is about 10 times Jupiter's.

How many planets are in our Solar System?

According to NASA, this is the estimated radii of the eight planets in our solar system, in order of size. We also have included the radii sizes relative to Earth to help you picture them better. Eight planets and a dwarf planet in our Solar System, approximately to scale. Pluto is a dwarf planet at far right. At far left is the Sun.

How wide is a planet compared to the Earth's equatorial diameter?

Each planet's width is compared to Earth's equatorial diameter, which is about 7,926 miles (12,756 kilometers). At the bottom of the page, there is a handy list of the order of the planets moving away from our Sun. Jupiter is the largest planet in the solar system.

Which planets are smaller than other planets?

The planets of our Solar System vary considerably in size and shape. Some planets are small enough that they are comparable in diameter to some of our



larger moons – i.e. Mercury is smaller than Jupiter’s moon Ganymede and Saturn’s moon Titan.

How big is Saturn compared to other planets?

This is a difference of 9276 km (5763.8 mi), one of the most pronounced in the Solar System. With a mean diameter of 120,536 km (74897.6 mi), Saturn is the second largest planet in the Solar System.



Diameter of all the planets in the solar system



[List of Solar System objects by size](#)

38 ?· This article includes a list of the most massive known objects of the Solar System and partial lists of smaller objects by observed mean radius. These lists can be sorted according to ...

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

Even though there are only 8 official planets in the solar system, it can be tricky to remember them all in order from the Sun. A popular technique to use a mnemonic, which can be any sentence you want using the first letter of each

...



[Planets Sizes in the Solar System](#)

Mercury is the smallest planet in our solar system, being only 4879.4 km in diameter; that's roughly the size of our moon. Mercury is the closest planet with a 57.9 million km distance from our star. Mercury is roughly 38% the size of Earth and has a mass of 3.

[Comparison of Planet Sizes: Solar Systems](#)

This slide shows how dramatically different the planets in our solar system are in size. Some of the smallest bodies in our solar system are shown in the first view, from Ceres to ...



[17.3: Overview of Our Planetary System](#)

Our solar system currently consists of the Sun, eight planets, five dwarf planets, nearly 200 known moons, and a host of smaller objects. The planets can be divided into two groups: the inner ... 17.3: Overview of Our Planetary System - Geosciences LibreTexts

Planets in Order From the Sun in the Solar System

Discover what is the order of the planets from the Sun in the Solar System with pictures, size, and facts. The ultimate guide to planets. Venus, the "younger sister" of the Earth, is a little smaller than our planet - its diameter is 12104 kilometers and is ...



The Smallest Planet and Largest Planet in the Solar System

The largest planet in our solar system by far is Jupiter, which beats out all the other planets in both mass and volume. Jupiter's mass is more than 300 times that of Earth, and its diameter, at 140,000 km, is about 11 times Earth's diameter. (Jupiter's Great Red



18.1: Introduction to the Solar System

The solar system is the Sun and all the objects that are bound to the Sun by gravity. The solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. Ceres, Makemake, Pluto and Eris are dwarf planets.



Solar System Size and Distance

Solar System Size and Distance. How big are the planets and how far away are they compared to each other? See how the sizes of planets and the distances between them compare. And find out why it's so hard to create a scale model of the solar system that accurately ...

The Nine Planets of The Solar System , Eight Planets Without Pluto

The Nine Planets is an encyclopedic overview with facts and information about mythology and current scientific knowledge of the planets, moons, and other objects in our solar system and beyond. Eris Eris is the same size as Pluto, but three times further from the



Solar System Size and Distance

But, compared to some of the planets in our solar system, it's pretty small. We often see planets displayed as similar in size, like this, to make details on smaller planets easier to see. In reality, the size of planets compared to each other looks more like this.



Solar System Facts , Information, Size, History and Definition

The solar system consists of the Sun; the eight official planets, at least three "dwarf planets", more than 130 satellites of the planets, a large number of small bodies (the comets and asteroids), and the interplanetary medium. (There are probably also many more

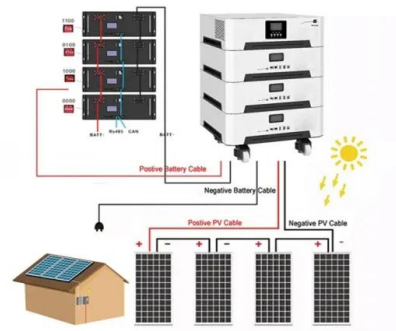


[Planets in Our Solar System](#)

The Sun is the hub of a huge rotating system consisting of nine planets, their satellites, and numerous small bodies, including asteroids, comets, and meteoroids. An estimated 99.85 percent of the mass of our solar system is contained within the Sun, while the

The Planets in Our Solar System in Order of Size

Venus (6,052 km / 3,761 miles) - 95% the size of Earth. Mars (3,390 km / 2,460 miles) - 53% the size of Earth. Mercury (2,440 km / 1,516 miles) - 38% the size of Earth. Eight ...



[Planets Of The Solar System For Kids](#)

Jupiter, the largest planet in the Solar System, has 2.8 times the diameter of Uranus. Neptune has a radius of 24.764 km / 15.387 mi, and a diameter of 49.244 km / 30.598 mi. It is the fourth-largest planet in the Solar System but at the same time the smallest of the giants.



What Are The Diameters of the Planets?

Planetary Fact Sheet - Values compared to Earth.
Index of Planetary Fact Sheets - More detailed fact sheets for each planet. Notes on the Fact Sheets - Explanations of ...



The Solar System

So the diameter of the solar system would be 180AU, by this definition. Scale by Distance to the Farthest Object Of all the planets in the solar system, Mars is the most Earth-like. It's roughly what Earth might look like if all the surface water vaporized. This It

Facts About Earth

With an equatorial diameter of 7926 miles (12,760 kilometers), Earth is the biggest of the terrestrial planets and the fifth largest planet in our solar system. From an average distance of 93 million miles (150 million kilometers), Earth is exactly one astronomical unit away from the Sun because one astronomical unit (abbreviated as AU), is the distance from the Sun to Earth.



How big is the sun? Facts & size comparison

With a radius of 432,687 miles and a diameter of 864,000 miles, our beloved star, the Sun, is the biggest celestial object in the solar system. The substantial size and mass of the Sun enable it to generate an incredible amount of gravitational force that keeps the planets of the solar system in orbit around it as it travels around our galaxy, the Milky Way.



Jupiter

Jupiter is the fifth planet from the Sun and the largest in the Solar System is a gas giant with a mass more than 2.5 times that of all the other planets in the Solar System combined and slightly less than one-thousandth the mass of the Sun. Its diameter is eleven



Size of Planets in Order

The planets in our solar system are each very unique for various reasons. When it comes to their measurable sizes in diameter, the planets vary greatly. Jupiter, for example, is approximately 11 times the diameter of the Earth. Mercury, on the other hand, is 2.6 times smaller in diameter than the Earth. Below you will [...]

[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.



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

Space Math Travel Times by Spacecraft Around the Solar System 1.3 Most science fiction stories often have spaceships with powerful, or exotic, rockets that can let space travelers visit the distant planets in less than a day's journey. The sad thing is that we are



List of Moons in the Solar System · Facts and information

List of Moons in the Solar System
 Moon Discovered Discoverer Distance from Planet (km)
 Diameter (km) Orbital Period (days) Earth: 1
 Moon Moon (Luna) 384,400 3,475 27.322 Mars: 2
 Moons Deimos 1877 Asaph Hall 23,460 12.4
 1.2624 Phobos 1877 Asaph Hall



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 ...

The Planets in Order of Distance, Size, Mass & More

Category: Inner/inferior planet Diameter: 4,880 km (0.38 times that of Earth) Mass: 3.285×10^{23} kg The atmosphere is so thick that it traps heat, making Venus the hottest planet in our solar system. The surface temperature can reach up to 864 degrees



Jupiter Facts

Jupiter is a world of extremes. It's the largest planet in our solar system - if it were a hollow shell, 1,000 Earths could fit inside. It's also the oldest planet, forming from the dust and gases left over from the Sun's formation 4.6 billion years ago. But it has the shortest



What Are the Solar System Planets in Order?

You know Saturn and Venus and Mars. Can you put the eight planets of the solar system in the correct order? There are several ways to do this. Or you could order the planets by weight (mass). Then, the list from most ...



Diameter of the Solar System

You can look at the Solar System's diameter as ending at the aphelion of the orbit of the farthest planet, the edge of the heliosphere, or ending at the farthest observable object. To cover all

The Characteristics of the Eight Planets

Further from the sun, past a ring of asteroids, lies the largest planet in our solar system -- Jupiter -- the first of the gas giant planets. Its characteristic colored cloud patterns are caused by enormous, swirling storms ...



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