

# Biggest to smallest planets in our solar system

What is the smallest planet in our Solar System?

Mercury is the smallest planet in our solar system. Mercury is a little more than one-third the width of Earth, and has an equatorial diameter of about 3,032 miles (4,880 kilometers). Mercury is the closest planet to the Sun, orbiting at an average distance of 36 million miles (58 million kilometers).

What are the smallest and largest planets in order?

The size of the planets in order from smallest to largest is Mercury, Mars, Venus, Earth, Neptune, Uranus, Saturn, and Jupiter. The size of planets in our solar system varies dramatically. Let's explore the sizes of the planets, including their radius and diameter in both kilometers and miles, and their relative sizes compared to Earth.

How big is Earth compared to the smallest planet?

Our home planet Earth is the fifth largest of the eight planets and measures in at 12,756 km in diameter. This means that Earth is actually approximately 2.6 times the diameter of the smallest planet, Mercury. Another size comparison puts Earth at 3.67 times the diameter of the Moon.

Which planet is smaller than Mercury?

The dwarf planet Pluto is smaller than Mercury. Earth is the largest terrestrial or inner planet. Our solar system comprises eight planets, which fall into two categories: the smaller, rocky inner planets (Mercury, Venus, Earth, and Mars) and the larger, gas giants (Jupiter, Saturn, Uranus, and Neptune).

What is the largest planet in the Solar System?

Earth is the largest terrestrial or inner planet. Our solar system comprises eight planets, which fall into two categories: the smaller, rocky inner planets (Mercury, Venus, Earth, and Mars) and the larger, gas giants (Jupiter, Saturn, Uranus, and Neptune). Another name for the gas giants is the Jovian planets, for their similarity to Jupiter.

Which planet is smaller than Earth?

Earth's "twin planet" Venus is only slightly smaller than Earth with a diameter of 12,104 km. Venus also has a similar gravitational pull of 8.87 m/s<sup>2</sup> to that of Earth's 9.81 m/s<sup>2</sup>. The red planet of Mars has a diameter of only 6,780 km. This makes it 20.5 times smaller in diameter than Jupiter.

Saturn: With a mean diameter of 120,536 km (74,897.6 mi), Saturn is the second largest planet in the Solar System. Like Jupiter, it experiences significant flattening at its poles (0.09796) due to ...

In addition to the planets, our solar system also includes dwarf planets, moons, asteroids, ... Mercury is the closest planet to the Sun and is the smallest of the eight planets being only slightly larger than our moon.

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Mercury's surface temperatures vary in extremes reaching day temperatures as high as 800°F (430°C) and dipping as low as ...

With such a diverse solar system of planets and other celestial objects, there is no shortage of questions to think about. Like what is the exact diameter of Jupiter, or how fast does Pluto rotate? To answer them, here is a comparison of some select celestial bodies in our solar system, going from the biggest to smallest objects:

Of the Solar System's eight planets and its nine most likely dwarf planets, six planets and seven dwarf planets are known to be orbited by at least 300 natural satellites, or moons. At least 19 of them are large enough to be gravitationally rounded; of these, all are covered by a crust of ice except for Earth's Moon and Jupiter's Io. [1] Several of the largest ones are in hydrostatic ...

Mercury is the closest planet to the Sun and is the smallest planet in our Solar System after Pluto was reclassified as a dwarf planet in 2006. Mercury circles around the Sun in an egg-shaped ...

Within our solar system, this orbit places Venus closer to the Sun than Earth. Earth In a planet size comparison, Earth is the third planet closest to the Sun and the fifth biggest in our solar system.

Jupiter is the largest planet in the solar system and is the fifth farthest planet from the Sun. it has a radius of 43,441 miles, making it 11 times larger than Earth. Jupiter is also a gaseous planet and has a mass that is significantly more than the combined mass of all the other planets ...

Study with Quizlet and memorize flashcards containing terms like The terrestrial planets of our solar system are \_\_\_\_\_, The jovian planets of our solar system are \_\_\_\_\_, Characteristics of Terrestrial planets. and more. ... Largest radius to Smallest radius: Sun Jupiter Earth Mars Mercury Pluto Feedback: Sizes (radii) do not vary nearly as ...

Our solar system is home to eight planets, all of which have different sizes, masses, and densities. The smallest planet in terms of size in our solar system is Mercury, which also happens to be the closest planet to the sun. Mercury is the smallest planet with a diameter of 3,032-miles (4,879-kilometres). How Small Is Mercury?

The smallest planet in our solar system is Mercury. The planet is about 1/3 of the width of Earth with a radius of 1,516 miles. Earth's moon has a radius of just over 1,000 miles.

Planets in Order: An Easy Trick To Remember Ordered by Distance From the Sun. The most common way to order the planets is by their distance from the Sun (starting with the closest one, Mercury).

The Solar System [d] is the gravitationally bound system of the Sun and the objects that orbit it. [11] It formed about 4.6 billion years ago when a dense region of a molecular cloud collapsed, forming the Sun and a

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protoplanetary disc. The Sun is a typical star that maintains a balanced equilibrium by the fusion of hydrogen into helium at its core, releasing this energy from its ...

The smallest and largest planet that form our solar system range incredibly in temperature, composition, geology, and of course size. Here we will delve into what makes these two planets unique ...

In our solar system, the planets vary widely in size, from the colossal gas giants to the smaller, rocky terrestrial worlds. Here is a list of the planets in order from largest to smallest: Jupiter - The largest planet in our solar system, Jupiter is a gas giant with a diameter of about 139,822 kilometers (86,881 miles). It's so massive ...

The smallest planet in regards to both mass and volume is Mercury -- at 4,879 km across and  $3.3010 \times 10^{23}$  kg, this tiny world is nearly 20 times less massive than Earth, and ...

The solar system's two outermost gas giant planets are compared with the Earth in this photo montage. Prepared for NASA by Stephen Paul Meszaros. Photo credit: Wikimedia Commons, Lunar and Planetary Institute / Flickr Planets by Size From Smallest to Biggest. 8 ranked planets Sort by : Increasing diameter. 8th - Mercury. 4,879.4 km (3,031. ...

Planets. Mercury, the smallest planet in our Solar System, is about 5,000 km in diameter. Earth is relatively large for a rocky (solid) planet at 12,750 km. The largest planet, Jupiter, is 140,000 km wide. It's so big that all the other planets in the Solar System could fit inside it. Earth could fit inside Jupiter 1,300 times. The Sun

Our solar system has five dwarf planets: In order of distance from the Sun they are: Ceres, Pluto, Haumea, Makemake, and Eris. ... Eris is one of the largest known dwarf planets in our solar system. Pluto: The Star of Dwarf Planets. Pluto is by far the most famous dwarf planet. Discovered by Clyde Tombaugh in 1930, Pluto was long considered our ...

In our Solar System, there are eight planets. The planets in order from the Sun based on their distance are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. ... Mercury is, however, the smallest planet out ...

Biggest Moons In Our Solar System. The solar system has no shortage of moons. Like the planets they orbit, they are each unique in their own way. Some moons are so large that if they were orbiting the Sun instead of a planet, they would likely be considered planets in their own right. Others are so small that they are more closely related to asteroids and meteors than ...

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