



# Size comparison of planets in solar system

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.

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 big is Uranus compared to other planets?

In planet size comparison, Uranus, the seventh planet, is the least massive of the solar system's four giant planets, which include Jupiter, Saturn, and Neptune. It never comes closer to Earth than about 2.7 billion km (1.7 billion miles), highlighting the vast distances between celestial bodies within our galaxy.

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.

Audience: 3rd grade and older This slide shows how dramatically different the planets in our solar system are in size. Audience: 3rd grade and older This slide shows how dramatically different the planets in our solar system are in size. ... Comparison of Planet Sizes: Solar Systems. August 31, 2021. Credit: NASA/JPL-Caltech: Language: english ...

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5 days ago&#0183; The solar system's several billion comets are found mainly in two distinct reservoirs. The more-distant one, called the Oort cloud, is a spherical shell surrounding the solar system at a distance of approximately 50,000 astronomical units (AU)--more than 1,000 times the distance of Pluto's orbit. The other reservoir, the Kuiper belt, is a thick disk-shaped zone whose main ...

Comparison of Selected Objects in our Solar System. Our solar system is home to various celestial objects, including planets, moons, asteroids, and even dwarf planets. All of these objects differ in many ways, yet work in perfect unison. A comparative study of the various features of these celestial bodies gives us some fascinating results.

How to Use the Planet Size Comparison Chart. Click on a planet or the Sun for details on composition, mass, gravity, and number of moons. You can also zoom in and out on the planets or the Sun using the plus and minus buttons. Change between km / mi in settings; Use the buttons at the top to sort the planets by their order from the Sun or by ...

A Planet Size Comparison. October 8. A planet is an astronomical body orbiting a star or stellar remnant that: is massive enough to be rounded by its own gravity, not massive enough to do fusion, and has cleared its neighboring region of planetesimals. ... Jupiter, the largest planet in the solar system, takes seven of those pieces, 70% of the ...

video. 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 ...

This interactive lets you compare the sizes of planets in our Solar System. It does NOT show where they are in the Solar system or how far apart they are from each other. Move the slider to zoom in and out. You can hide the planet labels text and/or the distance scales if you want to.

The Solar System to Scale in which every pixel on the screen represents 1,000 kilometers. ... The Sun (Yellow Dwarf Star) Diameter: 1,391 pixels. Mercury (Terrestrial Planet) Diameter: 4 pixels Distance: pixels. Venus (Terrestrial Planet) Diameter: 12 pixels Distance: pixels. Earth (Terrestrial Planet) Diameter: 12 pixels Distance: pixels. Mars ...

Solar System Sizes and Distances Distance from the Sun to planets in astronomical units (au): Planet Distance from Sun (au) Mercury 0.39 Venus 0.72 Earth 1 Mars 1.52 Jupiter 5.2 Saturn 9.54 Uranus 19.2 Neptune 30.06 Diameter of planets and their distance from the Sun in kilometers (km): Planet Diameter (km) Distance from Sun (km) ...

To fully understand the scale of our sun, let's compare its size to each planet of our solar system. Mercury: The Sun is 277 times larger than Mercury. 21 million Mercury-sized planets could fit inside the Sun. Venus:



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The Sun is 115 times larger than Venus. 1.5 million Venus-sized planets could fit inside the Sun.; Earth: The Sun is 109 times larger than Earth.

Our solar system is huge. There is a lot of empty space out there between the planets. Voyager 1, the most distant human-made object, has been in space for more than 40 years and it still has not escaped the influence of our Sun. As of Feb. 1, 2020, Voyager 1 is about 13.8 billion miles (22.2 billion kilometers) from the Sun -- nearly four times the average ...

**The Solar System's Major Moons** The Solar System contains 18 or 19 natural satellites of planets that are large enough for self-gravity to make them round. (Why the uncertain number? Neptune's moon Proteus is on the edge.) They are shown here to scale with each other.

Between small planets in the solar system and the biggest stars, the size difference is enormous, for example, the diameter of the star Betelgeuse is 141,863 times larger than the diameter of the Earth. ... Size comparison of planets with Earth. A dwarf planet, since the new definition of August 2006, is a celestial body orbiting the Sun that ...

**Compare the Planets.** Our Solar System has eight planets. Four of these are Giants: Jupiter, Saturn, Neptune, Uranus. Did you know if you try to stand on Jupiter you would sink right through as it is made out of gas? Did you know Saturn is 95 times more massive than Earth? Compare Planets, Moons and other objects side-by-side in this 3D live ...

The planets and moons of our solar system come in a wondrous variety of colors and textures. Some appear white, smooth, and calm; others are splotchy with color and dotted with craters and volcanoes. ... and some of their moons were all the same size. Not true! There are big planets and little planets, big moons and little moons. Earth seems to ...

distance to the farthest planet Neptune is nearly 3 billion miles (4.5 billion kilometers). Compare this to the farthest distance you can walk in one full day (70 miles) or that the International Space Station travels in 24 hours (400,000 miles). The best way to appreciate the size of our solar system is by creating a scaled model of it that

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. ... 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. 6.

**Table of Contents** The solar system has two main types of planets. The inner planets--Mercury, Venus, Earth, and Mars--have rocky compositions. In contrast, the four outer planets, also called the Jovian, or giant, planets--Jupiter, Saturn, Uranus, and Neptune--are large objects that are composed primarily of hydrogen and



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helium (Jupiter and Saturn) or of ice, rock, hydrogen, and ...

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