

# Closest planet to jupiter

Which planet is closest to the Sun?

Mercury is the closest planet to the Sun, orbiting at an average distance of 36 million miles (58 million kilometers). Mercury is 57 million miles closer to the Sun than Earth. Pluto is the largest dwarf planet in our solar system, just slightly larger than Eris, at number two.

How far is Jupiter from Earth?

Because both planets travel in an elliptical path around the sun, Jupiter's distance from Earth is constantly changing. When the two planets are at their closest point, the distance to Jupiter is only 365 million miles (588 million kilometers). From its closest point, Jupiter shines so brightly that even Venus dims in comparison.

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 far is Jupiter from the Sun?

The elliptical paths mean that the planets do not remain at a constant distance from the sun. At its closest, or perihelion, Jupiter lies 460 million miles (741 million km) from the star; at its farthest, or aphelion, it is 508 million miles (817 million km) away. On average, the distance to Jupiter is 484 million miles (778 million km).

How big is Jupiter compared to other planets?

Jupiter is the fifth planet from the Sun, at a distance of about 778 million km (484 million miles) or 5.2 AU. Jupiter is also the most massive planet in our Solar System, being 317 times the mass of Earth, and two and half times larger than all the other planets combined.

How far is Jupiter from Venus?

When the two planets are at their closest point, the distance to Jupiter is only 365 million miles (588 million kilometers). From its closest point, Jupiter shines so brightly that even Venus dims in comparison. At its farthest, the gas giant lies 601 million miles (968 million km) away.

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. ... There is a big jump in distances between Mars and Jupiter, ranging between 460-million to 508-million miles from the sun. On average, Jupiter ...

The asteroid belt separates the inner planets and the outer planets. The Outer Planets. In order outward from the Sun, the outer planets are Jupiter, Saturn, Uranus, and Neptune. Jupiter - The largest planet, Jupiter's radius is a staggering 69,911 km (43,441 mi), and its diameter is about 139,822 km (86,881 mi). It is 11.21

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times the size ...

Distances between the planets, and especially between the stars, can become so big when expressed in miles and kilometers that they're unwieldy. ... They make it easy to see that Jupiter orbits five times farther from the Sun than Earth, and that Saturn is twice as far from the Sun as Jupiter. ... the nearest star system to ours is the triple ...

2 days ago; Jupiter will be closest and brightest for 2024 in December. ... 2024, the waning gibbous moon will slide between the planet Jupiter and Capella, the brightest star in Auriga the Charioteer.

Jupiter is the biggest planet in the solar system and has 79 moons. Learn more about the gas giant in our ultimate guide. ... At perihelion, when Jupiter is closest to the sun, the planet is ...

October 9, 2024: Jupiter begins retrograde motion, that is, westward motion on the sky's dome, a sign that opposition is just ahead. December 6, 2024: Jupiter at perigee, or closest to Earth for ...

But how far is Jupiter from Earth? Since all the planets move around, the distance is always changing. On average, Jupiter is 715 million km / 444 million mi away from the Earth. At their closest points, Jupiter and Earth are 588 million km / 365 million mi away from each other. At their farthest points, Jupiter and Earth are 968 million km ...

Venus is the second closest planet to the Sun after Mercury, with an average distance from the Sun of about 67 million miles (108 million kilometers). ... Since gas giants Jupiter and Saturn don't have a solid surface, ...

Jupiter is easy to observe, and well-documented by astronomers. Learn more about the King of the Planets in February's mid-month article! ... bested only by the Moon, Venus, and occasionally Mars, when the red planet is at opposition. That's impressive for a planet that, at its closest to Earth, is still over 365 million miles (587 million km ...

Jupiter is the largest planet in the solar system. It's about 11 times wider than Earth with an equatorial diameter of 88,846 miles (about 142,984 kilometers). Jupiter is the fifth planet from the Sun, orbiting at an average ...

The eight planets are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. Mercury is closest to the Sun. Neptune is the farthest. Planets, asteroids, and comets orbit our Sun. They travel around our Sun in a flattened circle called an ellipse. It takes the Earth one year to go around the Sun. Mercury goes around the Sun in only ...

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

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Jupiter's.

For example, when this article was written (January 2024), the closest planet to Earth was Mercury. But in around eight months, Venus will be the closest planet to us, and in another two months or ...

The entire stability of our solar system is based on the current order and location of the planets. Jupiter (5th planet) is the planet that exerts the strongest gravitational influence on the solar system after the Sun. ... It is the ...

Can you put the eight planets of the solar system in the correct order? There are several ways to do this. ... in the solar system that accounts for the large scale of these distances. To put it another way, Mercury, which is closest, is 35.98 million miles from the sun, while ... Jupiter (43,441 miles/69,911 kilometers) Saturn (36,184 miles ...

Our primary example of a giant planet, Jupiter can also help us understand planetary systems being discovered around other stars. ... recreate what it might have looked like to ride along with the Juno spacecraft as it performed its 27th close flyby of Jupiter on June 2, 2020. During the closest approach of this pass, the Juno spacecraft came ...

The eight planets in our solar system are divided into two main groups, the inner four rocky planets and the outer four gas planets. These groups are separated from each other by an asteroid belt. Answer and Explanation: 1

Jupiter closest to Earth December 6, 2024. ... a year when the giant planet was closest to the sun in its 12-year orbit. In 2022, during its opposition, Jupiter was 367 million miles (591 million ...

Mars is potentially the closest planet at a minimum distance of 3.68 AU. That varies. Mars would typically be the closest planet, but earth would be closest when earth and Jupiter are on the same ...

Mercury is the closest planet to our Sun, at just 58 million km (36 million miles) or 0.39 Astronomical Unit (AU) out. But despite its reputation for being sun-baked and molten, it is not the...

In fact, Uranus sometimes gets closer to Saturn than Jupiter. At their closest, Uranus and Saturn can be 1.43 billion km apart. In case you were wondering, the closest planet to Jupiter is Mars ...

The inner planets (in order of distance from the sun, closest to furthest) are Mercury, Venus, Earth and Mars. ... Jupiter: Jupiter is the largest planet in our Solar System and spins very rapidly ...

Venus is the second closest planet to the Sun after Mercury, with an average distance from the Sun of about 67 million miles (108 million kilometers). ... Since gas giants Jupiter and Saturn don't have a solid surface, temperatures are taken from a level in the atmosphere equal in pressure to sea level on Earth. The same goes

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for the ice ...

So, Mercury is the closest planet to the Sun, Mars and Venus, Jupiter, Saturn, Uranus, and Neptune. The same logic applies here as it does when calculating Mercury's distance from the Earth. Whilst Mercury is never actually very close to any of these planets, because of its small orbit, it is also never very far away.

On July 9, 1979, Voyager 2 made its closest approach to Jupiter, flying within 350,000 miles of the planet's cloud tops. On the outbound leg of its encounter, it imaged the satellite Io (closest approach of 702,200 miles), and conducted a 10-hour volcano watch of the moon, confirming Voyager 1's finding that it harbored active volcanoes.

The solar system's most massive planet, Jupiter, will make its closest approach to Earth for 59 years on Sept. 26 even as the gas giant will be directly opposite the sun as viewed from Earth.

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