

# Jupiter the sun

<p>Jupiter is the fifth planet from the Sun and the largest in the Solar System. </p><p>It's a gas giant with a mass one-thousandth that of the Sun, but two-and-a-half times that of the rest of the planets in the Solar System. Jupiter is one of the objects visible to the naked eye in the night sky, and has been known since before recorded history. ...

If a planet is close to the Sun, the distance it orbits around the Sun is fairly short. This distance is called an orbital path. The closer a planet travels to the Sun, the more the Sun's gravity can pull on the planet. The stronger the pull of the Sun's gravity, the faster the planet orbits. Check out how long a year is on each planet below!

One year on Jupiter is the same as 11.8 Earth years. Jupiter's Neighbors. Jupiter has 95 officially recognized moons. Jupiter is the fifth planet from the Sun. That means Mars and Saturn are Jupiter's neighboring planets. Quick History. Jupiter has been known since ancient times because it can easily be seen with just our eyes.

The heat generated within Jupiter itself is more than it receives from the Sun. Due to Jupiter's rapid rotation rate of 1 rotation every 10 hours, the planet's shape is best described as an oblate spheroid. Upon close inspection you would note a slight bulge around the equator. As mentioned stripes around Jupiter are caused by the outer ...

Jupiter has a stronger magnetic field than even the Sun where the Sun is roughly 1 Gauss and Jupiter is 4.3 Guass. The Sun has a projected lifespan of 10 billion years in total whilst Jupiter doesn't have any clear conditions pointing towards it dying unless a stars gravitational force pulls the planet apart or through any other catastrophic ...

Jupiter is the fifth planet from the sun. Jupiter's average distance from the sun is 5.2 astronomical units, or AU. This distance is a little more than five times the distance from Earth to the sun. When viewed from Earth, Jupiter is usually the second brightest planet in ...

However, the Sun will accrete  $\sim 10^{42} \text{ kg m}^2 \text{ s}^{-1}$  of angular momentum, which is comparable to its current angular momentum. The accretion of Jupiter in this way is therefore sufficient to increase the angular momentum of the Sun by a significant amount. In the long term this will have a drastic effect on the magnetic ...

Is Jupiter Bigger than our Sun? Jupiter may indeed be the biggest planet in our Solar System, but is it bigger than our Sun? No, the gas giant pales in comparison to our Sun. Our Sun is 11 times wider than Jupiter. It has a radius of 696.340 km / 432.685 mi and a diameter of 1.39 million km / 864.000 mi. Jupiter, on the other hand, has a mean ...

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Jupiter Facts. Average temperature: -108°C (-162°F) where atmospheric pressure equals sea level on Earth Average distance from Sun: 779 million kilometers (484 million miles), or 5.2 times farther from the Sun than Earth Diameter: 142,984 kilometers (88,846 miles), Jupiter is 11.2 times wider than Earth Volume: 1,431 trillion km<sup>3</sup> (343 trillion mi<sup>3</sup>), Earth could fit inside Jupiter 1,431 ...

Jupiter. The fifth and most massive planet of the Solar System. Jupiter is 778 million km / 484 million mi or 5.2 AU away from the Sun. It is 317 times more massive than Earth and 2.5 times larger than all the other planets combined. Jupiter is a gas giant; it is primarily composed of hydrogen, helium, and other gases.

Jupiter is on average five times farther from the Sun than Earth, and it takes much longer to complete an orbit than our planet does, 12 years to our 1 year. So, another way to think of opposition is that Earth is catching up with and speeding past Jupiter, like runners on an enormous race track.

Like the sun, Jupiter is primarily composed of hydrogen and helium elements. Jupiter orbits the sun at an average distance of 484-million miles (778-million kilometers). At such a vast distance from the sun, Jupiter receives very little heat from the sun. As a result, its upper atmosphere is very cold, having an average temperature of minus 186 ...

Jupiter, the fifth planet from the Sun, is a colossal gas giant that reigns supreme as the largest planet in our Solar System. Its massive size, intense magnetic field, and swirling cloud bands make it a fascinating subject of study for astronomers and a beacon of mystery in our cosmic neighborhood. With a diameter of approximately 143,000 kilometers (about 89,000 ...

Jupiter is the fifth planet from the Sun, orbiting at an average distance of 483.7 million miles (778 million kilometers). It's about five times farther from the Sun than Earth. Explore Jupiter. NASA's Cassini spacecraft captured one of its last looks at Saturn, and its main rings from a distance. The images used to create this view were ...

Jupiter orbits the Sun once every 11.8 Earth years. From our point of view on Earth, it appears to move slowly in the sky, taking months to move from one constellation to another. Jupiter has unique cloud features. The upper atmosphere of Jupiter is divided into cloud belts and zones. They are made primarily of ammonia crystals, sulfur, and ...

Jupiter is the fifth planet from the Sun. Jupiter and the planets beyond it--Saturn, Uranus, and Neptune--are called gas giants. They are huge and made up mostly of gases. They do not have a solid surface. Physical Features. Size: 89,000 miles (143,000 kilometers) in diameter. More than 1,000 Earths could fit inside Jupiter.

Jupiter, Fifth planet from the Sun, the largest nonstellar object in the solar system has 318 times the mass and more than 1,400 times the volume of Earth s enormous mass gives it nearly 2.5 times the gravity of Earth (measured at the top of Jupiter's atmosphere), and it exerts strong effects on other members of the solar

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system. It is responsible for the Kirkwood gaps in the ...

The Sun is all the colours mixed together, this appears white to our eyes. The Sun is composed of hydrogen (70%) and Helium (28%). The Sun is a main-sequence G2V star (or Yellow Dwarf). The Sun is 109 times wider than the Earth and 330,000 times as massive. The Sun's surface area is 11,990 times that of the Earth's.

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.

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