



## 2 closest planets to the sun

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.

Which planets are based on their distance from the Sun?

The planets in order from the Sun based on their distance are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. The planets of our Solar System are listed based on their distance from the Sun. There are, of course, the dwarf planets Ceres, Pluto, Haumea, Makemake, and Eris; however, they are in a different class.

Which planet is closer to the Sun than Earth?

Venus is about 26 million miles (42 million kilometers) closer to the Sun than Earth. Mars, the red planet, is the seventh largest planet in our solar system. Mars is about half the width of Earth, and has an equatorial diameter of about 4,221 miles (6,792 kilometers).

What are the four closest planets to the Sun?

Terrestrial planets include the four closest planets to the Sun located between the Sun and the asteroid belt; Mercury, Venus, Earth, and Mars. Astronomers who use the geophysical definition of a planet would also include the Moon as a terrestrial planet. Terrestrial planets are planets with a solid surface, often made up of rock or metals.

How many planets orbit the Sun?

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. An easy mnemonic for remembering the order is "My Very Educated Mother Just Served Us Noodles."

What is the farthest planet from the Sun?

The farthest planet from the sun at 2,794.4 million miles away is Neptune, named after the Roman god of the Sea. It has a diameter of 30,200 miles and is the fourth largest planet in the solar system. It takes 164.81 Earth years for Neptune to revolve around the sun and 19.1 Earth hours to rotate on its axis.

Mercury: Planet Closest to the Sun, Level 1 | Mercury: Planet Closest to the Sun, Level 2 National Aeronautics and Space Administration NASA explores the unknown in air and space, innovates for the benefit of humanity, and inspires the world through discovery.

It is the closest planet to the Sun, but it's actually not the hottest. Venus is hotter. Along with Venus, Earth, and Mars, Mercury is one of the rocky planets. It has a solid surface that is covered with craters. Instead of an



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atmosphere, Mercury possesses a thin exosphere made up of atoms blasted off the surface by the solar wind and ...

It's a common way astronomers measure distances 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 Neptune, the farthest, is 2.79 billion miles from the sun. Earth is 92.96 million miles from the sun.

Mercury is the first planet from the Sun and the smallest in the Solar System. In English, it is named after the ancient Roman god Mercurius, god of commerce and communication, and the messenger of the gods. Mercury is classified as a terrestrial planet, with roughly the same surface gravity as Mars. The surface of Mercury is heavily cratered, as a result of countless impact ...

planet closest to the sun. Mercury. this planet has a dense atmosphere of carbon dioxide. Venus. this planet is referred to as the "red" planet. Mars. these members of the solar system are made of ice and dust. comets. Jupiter, Saturn, Uranus, Neptune. ...

The actual average distances are: Mercury 57.9, Venus 108.2 and Earth 149.6 million km from the Sun. Even though Mercury is closest to the Sun, the average temperature on its surface is much less than that of Venus. This is because Mercury has virtually no atmosphere and so the side facing the sun reaches 430 deg C and the side facing away ...

Mercury is the closest planet to the Sun, and the smallest planet in the solar system. It has a large iron core that accounts for about three-quarters of its mass. By contrast, Earth's iron core accounts for only one-third of its mass. Compare the sizes and order of the planets. A rocky outer shell surrounds the planet's core.

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Mercury, the closest planet to the Sun, is a fascinating celestial body that holds many secrets waiting to be uncovered. In terms of distance, Mercury is approximately 36 million miles away from the Sun, making it the first planet in our solar system. Its proximity to the Sun means that it experiences extreme temperatures, ranging from ...

Thus, the Sun occupies 0.00001% (1 part in  $10^7$ ) of the volume of a sphere with a radius the size of Earth's orbit, whereas Earth's volume is roughly 1 millionth ( $10^{-6}$ ) that of the Sun. Jupiter, the largest planet, is 5.2 AU from the Sun and has a radius of 71,000 km (0.00047 AU; 44,000 mi), whereas the most distant planet, Neptune, is 30 AU ...

Mercury is the closest planet to the Sun. Mercury's day (the length of time it takes to orbit the Sun) is 88 Earth

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days. Temperatures range from well below zero on the surface to nearly 800F on the sunlit side of the planet. There are deposits of ice at the poles of Mercury, in places where sunlight is never seen.

Mercury is the closest planet to the Sun and is also the smallest of the eight planets in our solar system. For every 2 orbits of the Sun, which takes around 88 Earth days, Mercury completes three rotations of its axis. It is gravitationally locked and this rotation is unique to the solar system.

The order of the planets closest to the sun. Here is a list of the order of the planets closest to the sun: 1. Mercury. It is a planet close to the sun. This planet is often referred to as the Dusk Star and Morning Star. This planet does not have a single Natural Planet. The distance of the Planet Mercury from the Sun, is 57.9 million km (35.97 ...

Which Planet Is Closest To The Sun? So, as most people will likely already know, Mercury is the closest planet to the sun. Being at a distance of only 36 million miles (57.9 million km), it is about half the distance as the next planet out. This planet is, of course, Venus. Venus orbits at around 67 million miles (108 million km) from the sun.

Mercury is the nearest planet to the Sun, and, in accordance with Kepler's third law, it has the shortest period of revolution about the Sun (88 of our days) and the highest average orbital speed (48 kilometers per second). It is appropriately named for the fleet-footed messenger god of the Romans. Because Mercury remains close to the Sun, it ...

Venus is the second planet from the sun and the closest planet to Earth. Venus orbits the sun at an average distance of 0.722 AU, equating to 67-million miles on average. The orbit of Venus causes it to drift between 66 to 68-million miles from the sun. Earth is the third planet from the sun at an average distance of one AU. Scientists base ...

The closest planet to the Sun is Mercury. That's why it's sometimes called the "innermost planet.". It orbits the Sun at an average distance of 36 million miles (58 million kilometers). There are no other planets that are closer to the Sun than Mercury. Mercury is the smallest planet in the solar system, and it is not very hospitable to ...

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