



**Solar360 Mobile Energy**

# **Nasa solar system facts**





## Overview

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Our planetary system is called “the solar system” because we use the word “solar” to describe things related to our star, after the Latin word for Sun, “solis.” 2. Our solar system orbits the center of the Milky Way galaxy at about 515,000 mph (829,000 kph). 3. It takes our solar system about 230.

Join us as we explore our solar system. 9. Getting Out There More than 300 robotic spacecraft have left Earth's orbit, and 24 U.S. astronauts have traveled to the Moon. 10. Life as We Know It So far, Earth is the only place we've found life in our solar system. 1. Many Worlds Our solar system has.

Our solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. There are five officially recognized dwarf planets in our solar system: Ceres, Pluto, Haumea, Makemake, and Eris. What is a planet?

The word goes back to the ancient Greek word *planēt*, and it.

Our Sun is a 4.5 billion-year-old yellow dwarf star – a hot glowing ball of hydrogen and helium – at the center of our solar system. It's about 93 million miles (150 million kilometers) from Earth and it's our solar system's only star. Without the Sun's energy, life as we know it could not exist on.

The planetary system we call home is located in an outer spiral arm of the Milky Way galaxy. Our solar system consists of our star, the Sun, and everything bound to it by gravity – the planets Mercury, Venus, Earth, Mars,



Jupiter, Saturn, Uranus, and Neptune; dwarf planets such as Pluto; dozens of Ring System?

Global Magnetic Field?

\* - See the Fact Sheet Notes. How many planets are in our Solar System?

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How did the Solar System form?

The mass at its centre collected to form the Sun and a flat disk of dust around it. This eventually formed the planets and other bodies of the solar system. The solar system consists of the Sun, planets, dwarf planets, moons, and numerous smaller objects such as comets and asteroids.

How big is the Sun compared to Earth?

The Sun is about 100 times wider than Earth and about 10 times wider than Jupiter, the biggest planet. The Sun is the only star in our solar system. It is the center of our solar system, and its gravity holds the solar system together. Everything in our solar system revolves around it – the planets, asteroids, comets, and tiny bits of space debris.

What percentage of the Solar System is found in the Sun?

99.86% of the solar system's mass is found in the Sun. The majority of the remaining 0.14% is contained within the eight planets. The four smaller inner planets, also known as the “terrestrial planets”, are primarily composed of rock and metal.

How fast does our Solar System orbit?

Our solar system orbits the center of the galaxy at about 515,000 mph (828,000 kph). It takes about 230 million years to complete one orbit around the galactic center. An artist's concept of our solar system. Learn about the inner planets, the outer planets, and the dwarf planets.

What is the largest object in the Solar System?



The Sun is the largest object in our solar system. Its diameter is about 865,000 miles (1.4 million kilometers). Its gravity holds the solar system together, keeping everything from the biggest planets to the smallest bits of debris in orbit around it.



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[All About Jupiter , NASA Space Place - NASA ...](#)

Astronomers are using NASA's Hubble Space Telescope to study auroras -- stunning light shows in a planet's atmosphere -- on the poles of the largest planet in the solar system, Jupiter. Credits: NASA, ESA, and J. ...

### **In Depth , Our Solar System - NASA Solar System Exploration**

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### **Solar System Facts**

Solar System Facts The solar system was formed approximately 4.6 billion years ago by the collapse of a giant molecular cloud. The mass at its centre collected to form the Sun and a flat disk of dust around it. This eventually formed the ...

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