

# Description of solar system planets





## Overview

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Located at the centre of the solar system and influencing the motion of all the other bodies.

All the planets and dwarf planets, the rocky asteroids, and the icy bodies in the Kuiper belt move around the Sun in elliptical orbits in the same direction that the Sun rotates. This motion is termed *prograde*.

Astronomers sometimes divide the Solar System structure into separate regions. The inner solar system includes Mercury, Venus, Earth, Mars, and the bodies in the asteroid belt. The outer solar system includes Jupiter, Saturn, Uranus, Neptune, and the bodies in the Kuiper belt. Since the discovery of the Kuiper belt, the outermost parts of the Solar System are considered a distinct region.



## Description of solar system planets

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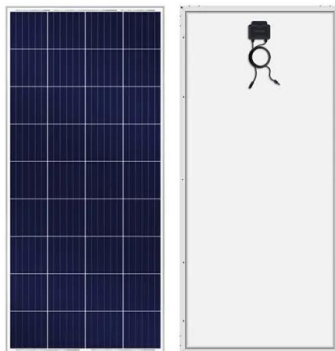
### [Planets of the Solar System](#)



Planets of the Solar System This page provides a brief description of each of the planets (and links to dwarf planets) of our solar system. You can also find out about the difference between planets, dwarf planets and small solar system bodies (SSSBs) here.

### [18.1: Introduction to the Solar System](#)

The solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. Ceres, Makemake, Pluto and Eris are dwarf planets. The ancient Greeks and people for centuries afterwards believed in a geocentric model of the universe



### [22.6: Planets of the Solar System](#)

The solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. There are also five known dwarf planets: Ceres, Pluto, Makemake, Haumea, and Eris. Solar system distances are measured as multiples of the distance between Earth and Sun.

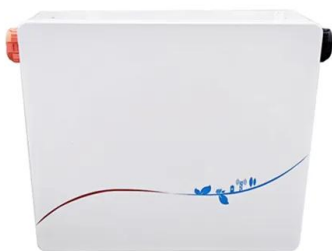
### [Planets 101: What they are and how they form](#)

There are 8 planets in our solar system  
Comprising eight official planets, our solar system showcases a remarkable variety of celestial objects. These planets are categorized into two main groups



### Solar System Exploration

The solar system has one star, eight planets, five dwarf planets, at least 290 moons, more than 1.3 million asteroids, and about 3,900 comets. We mean waaaay out there in our solar system - where the forecast might not be quite what you think. Let's look at the



### All About the Planets , NASA Space Place - NASA Science for Kids

3 ???· Our solar system is home to eight amazing planets. Some are small and rocky; others are big and gassy. Some are so hot that metals would melt on the surface. Others are freezing ...



### Solar system planets, order and formation -- a guide , Space

The order of the planets in the solar system, starting nearest the sun and working outward is the following: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and then





### ESA

The Solar System is made up of the Sun and all of the smaller objects that move around it. Apart from the Sun, the largest members of the Solar System are the eight major planets. Nearest the Sun are four fairly small, rocky planets - Mercury, Venus, Earth and



### Our Solar System

There may be hundreds of dwarf planets in Pluto's realm. Our solar system formed about 4.6 billion years ago. The four planets closest to the Sun -- Mercury, Venus, Earth, and Mars -- are called the terrestrial planets because they have solid, rocky

### Solar System

The formation and evolution of the Solar System began 4.6 billion years ago with the gravitational collapse of a small part of a giant molecular cloud.[5]Most of the collapsing mass collected in the centre, forming the Sun, while the rest flattened into a protoplanetary disk of loose dust, out of which the planets, moons, asteroids, and other Solar System bodies formed.

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### Planets - classification, primary planets, dwarf planets, comparison

Information on the various primary and dwarf planets of our solar system Mars -- the fourth planet from the sun the "red planet", so named for its reddish color due to the high iron content in its soil, has a rotation around the sun of 686 days. Its thin atmosphere



## [Planets Of The Solar System For Kids](#)

All planets in the Solar System revolve around the Sun. They all have different intervals in which they complete one orbit around the Sun. Our planet, Earth, revolves around the Sun once every 365.25 days - one Earth year. Neptune, on the other hand, is the and



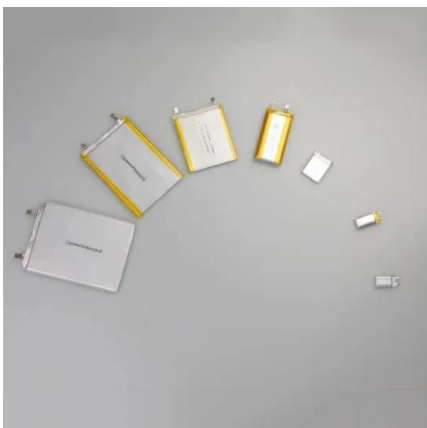
## **In Depth , Our Solar System - NASA Solar System Exploration**

There are more than 200 known moons in our solar system and several more awaiting confirmation of discovery. Of the eight planets, Mercury and Venus are the only ones with no moons. The giant planets Jupiter and Saturn lead our solar system's moon counts.



## **Planets**

It's the second densest planet in our solar system with the smallest tilt in its axis among all the planets in the solar system. Venus When observed from the Earth, it's the second brightest (after the observed moon) and takes 224.7 Earth days to complete one revolution and 243 Earth days for rotation on its axis (it takes the maximum time period among all planets to complete one ...



## **Mars**

Mars is one of the most explored bodies in our solar system, and it's the only planet where we've sent rovers to explore the alien landscape. NASA missions have found lots of evidence that Mars was much wetter and warmer, with a thicker atmosphere, billions of



## Solar System Scope

Online 3D simulation of the Solar System and night sky in real-time - the Sun, planets, dwarf planets, comets, stars and constellations Contact us: [contact@solarsystemscope](mailto:contact@solarsystemscope) Facebook Newsletter Embed Account



## Planet Facts

Facts about the Planets Mercury's craters are named after famous artists, musicians and authors. Venus is the hottest planet in the solar system. Earth's atmosphere protects us from meteoroids and radiation from the Sun. There have been more missions to Mars than any other planet.

## Solar System

Overview General characteristics Formation and evolution Sun Inner Solar System Outer Solar System Trans-Neptunian region Miscellaneous populations

Astronomers sometimes divide the Solar System structure into separate regions. The inner Solar System includes Mercury, Venus, Earth, Mars, and the bodies in the asteroid belt. The outer Solar System includes Jupiter, Saturn, Uranus, Neptune, and the bodies in the Kuiper belt. Since the discovery of the Kuiper belt, the outermost parts of the Solar System are considered a distinct r...



## [Description of Planets in the Solar System](#)

Description on Planets in Solar System This article will discuss everything you need to know about planets, their names, the solar system, and other topics related to the topic. The Sun



and the planets formed together 4.5 billion years ago from the solar nebula, a



### About the Planets

The 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.

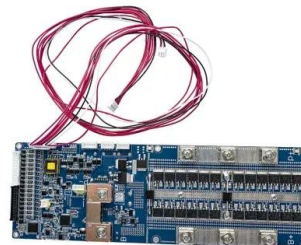


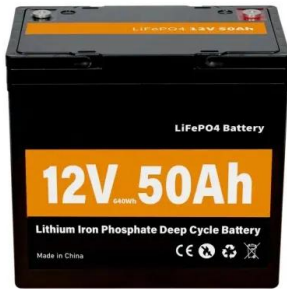
### What is a Planet? , Planets - NASA Solar System Exploration

NASA's real-time science encyclopedia of deep space exploration. Our scientists and far-ranging robots explore the wild frontiers of our solar system. Introduction This seemingly simple question doesn't have a simple answer. Everyone knows ...

### The Solar System

Jupiter is the largest planet in the solar system, and it was named for the king of the Roman gods. If you combined all of the other planets in the solar system together, Jupiter would still have 2½ times their mass. Jupiter is the closest gas giant to the sun.





### Our Solar System

Our solar system is made up of a star--the Sun--eight planets, 146 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto. The eight planets are Mercury, Venus, Earth, Mars, ...

[solar system summary . Britannica](#)

solar system, The Sun, its eight major planets, the dwarf planets and small bodies, and interplanetary dust and gas under the Sun's gravitational control. solar system to scale The eight planets of the solar system and Pluto, in a montage of images scaled to show the approximate sizes of the bodies relative to one another.



### Solar System Facts

Our solar system includes the Sun, eight planets, five officially named dwarf planets, and hundreds of moons, and thousands of asteroids and comets. Our solar system is located in the Milky Way, a barred spiral galaxy with two major ...

### The Planets , Facts About the Eight Planets & 5 Dwarf Planets

Detailed information and facts about the eight planets and five dwarf planets in our solar system. Menu Planets Terrestrial Planets Earth Mercury Venus Mars Gas Giants Jupiter Saturn Uranus Neptune Dwarf Planets Ceres Pluto Haumea Makemake Eris C-type



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## The Solar System

Solar system is the description of the position of the earth and other planets in relation to the sun. The solar system comprises of the sun and the nine Back to: GEOGRAPHY SS1 Welcome to class! In today's class, we ...



### solar system

The solar system consists of the Sun and everything that orbits, or travels around, the Sun. This includes the eight planets and their moons, dwarf planets, and countless asteroids, comets, and other small, icy objects. However, even with all these things, most of



### Planets of our Solar System

Our Solar System is amazing! At the centre is the Sun. Orbiting around the Sun are eight planets with over 100 moons between them, at least five dwarf planets, countless asteroids and the

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