

# **Solar system and description**





## Overview

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The Solar System currently moves through a cloud of interstellar medium called the Local Cloud. The closest star to the Solar System, Proxima Centauri, is 4.25 light-years (269,000 AU) away. Both are within the Local Bubble, a relatively small 1,000 light-years wide region of the Milky Way.

The Solar System consists of the Sun and the objects that it. The name comes from Sōl, the Latin name for the . It when a dense region of a collapsed, creating the.

PastThe Solar System formed at least 4.568 billion years ago from the gravitational collapse of a region within a large . This initial cloud was likely several light-years across and probably birthed several.

The Sun is the Solar System's star and by far its most massive component. Its large mass (332,900 ), which comprises 99.86% of all.

The outer region of the Solar System is home to the and their large moons. The and many orbit.

The Solar System includes the Sun and all objects that are bound to it by gravity and orbit it.The describes the Solar.

Astronomers sometimes divide the Solar System structure into separate regions. The includes Mercury, Venus, Earth, Mars, and the bodies in the . The includes Jupiter, Saturn, Uranus, Neptune, and the bodies in the .

The inner Solar System is the region comprising the terrestrial planets and the . Composed mainly of and metals, the objects of.



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

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 ...

### [Solar System Planets, Definition, Diagram, Names, Facts](#)

The solar system is made up of the Sun and other heavenly bodies. All the planets orbit the sun, which is situated in the centre. Read about Our Solar System Planets & related Facts in detail.

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### Saturn

Saturn is the sixth planet from the Sun and the second largest in the Solar System, after Jupiter. It is a gas giant, with an average radius of about 9 times that of Earth. It has an eighth the average density of Earth, but is over 95 times ...



### [The Planets In Order , From The Sun, Information.](#)

In our Solar System, there are eight planets. 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 ...



### Solar system , Definition, Planets, Diagram, Videos, & Facts

3 ???· Solar system, assemblage consisting of the Sun and those bodies orbiting it: 8 planets with more than 400 known planetary satellites; many asteroids, some with their own satellites; ...

### [Solar System: Planets, Moons, and the Sun Explained](#)

The solar system, once unreachable, is becoming part of humanity's extended presence.  
Conclusion: A System, A Story, A Sanctuary The solar system is more than a collection of planets orbiting a star. It is a grand ...



### [Our Solar System: A Tour of All the Planets](#)

The solar system is our cosmic neighborhood, a sprawling and dynamic family of celestial bodies orbiting a single, blazing star: the Sun. It's a place of fire and ice, storms and stillness, desolation and beauty. The planets, ...





### [Planets of our Solar System :: The Planets Today](#)

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 ...



### **Planets in Order From the Sun , Pictures, Facts, and ...**

The planets in order from the Sun. Image created using IAU / NASA APOD. In addition to the planets, our solar system also includes dwarf planets, moons, asteroids, comets, and meteoroids. Our planetary system is the only official ...

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