

# Basic information about solar system





## 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

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 ...

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### Facts About the Solar System

The Sun holds 99.8% of the solar system's mass, and Jupiter is the next largest object. There are four terrestrial and four gas or ice giant planets in our solar system. Mercury and Venus are the only planets without moons.



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Solar energy is radiation from the Sun that is capable of producing heat, causing chemical reactions, or generating electricity. The total amount of solar energy incident on Earth is vastly in excess of the world's ...



## 15 Solar System Facts For Kids

The Solar system is a great place for kids to start learning about the universe. But reading about it can be overwhelming. There is so much information about the Solar system for kids but a lot of it is written using ...



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Solar energy is becoming increasingly important in the fight against climate change. With the growth of photovoltaics, many are interested in how solar systems function. This guide will cover the basics of solar energy, ...



## Solar System

Planets and dwarf planets of the Solar System. Compared with each other, the sizes are correct, but the distances are not The Solar System is a group of space objects that are held together by gravity, with the Sun in the center. The Sun is ...



## Solar System: Planets, Moons, and the Sun Explained

At its most fundamental, the solar system consists of the Sun and all the objects that orbit it due to its gravity. This includes the eight major planets, their moons, the dwarf planets like Pluto, hundreds of thousands of ...



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