

Info on the solar system





Overview

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 orbit it. The name comes from Sōl, the Latin name for the sun. It was when a dense region of a molecular cloud collapsed, creating the protosolar nebula.

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

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

The outer region of the Solar System is home to the gas giants and their large moons. The Kuiper Belt and many comets orbit in this region.

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

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.

The inner Solar System is the region comprising the terrestrial planets and the asteroid belt. Composed mainly of silicates and metals, the objects of the inner Solar System are rocky.



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[10 Fascinating Facts About Our Solar System](#)

10 Fascinating Facts About Our Solar System
Forget textbook platitudes: our Solar System is a laboratory of physical paradoxes where mass, motion, and matter stage spectacles that challenge classical intuition. A single ...

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

With each planet, moon, asteroid, and comet, the solar system tells a story of birth, destruction, rebirth, and motion--stories written in craters, frozen oceans, swirling storms, and planetary rings.



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 ...

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 ...



[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 in Order From the Sun , Pictures, Facts, and Planet Info

In addition to the planets, our solar system also includes dwarf planets, moons, asteroids, comets, and meteoroids. Our planetary system is the only official solar system in the Universe, but ...



The Solar System

The solar system model is being updated by spacecraft like New Horizons. ©NASA Solar System Formation The solar system is located in one of the spiral arms of the Milky Way galaxy. It was born about 4.5 billion years ago when a ...



[100 Interesting Facts about the Solar System](#)

Facts about Solar System: The Solar System is a vast and mysterious place, filled with a wide variety of fascinating objects and phenomena. From the massive and powerful sun at its center, to the diverse array of planets, moons, comets, and ...



50+ Sensational Fun Facts about The Solar System for Kids

The Solar System is a vast and mysterious place. It is our galactic neighborhood that we've never escaped. Why is it so big? What's in it? Where are we located? Are all questions that will be ...

Solar System quick facts

Our Solar System contains planets, comets and asteroids all of which travel around our star, the Sun. Until 2006 nine main planets were listed, but under the current classification there are now only eight main planets and five 'dwarf ...



Planet Facts - The Planets In Order

Planet Facts - The Planets In Order Our solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. With the exception of Uranus and Neptune, each of these planets can be seen unaided. All eight ...



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

In addition to the planets, our solar system also includes dwarf planets, moons, asteroids, comets, and meteoroids. Our planetary system is the only official solar system in the Universe, but astronomers continue to find thousands of other ...



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 ...

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