



Solar System Detailed Introduction





Overview

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 formed when a dense region of a molecular cloud collapsed, creating the Sun and a protoplanetary disk from which the orbiting bodies assembled. The Sun is primarily hydrogen, which fuses into helium inside the core, releasing energy, which is primarily emitted as light and heat.

Our solar system includes the Sun, eight planets, five officially named dwarf planets, 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 arms, and two minor arms.

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There are eight planets in the solar system. The four inner terrestrial planets are Mercury, Venus, Earth, and Mars, all of which consist mainly of rock. The four outer planets are Jupiter, Saturn, Neptune, and Uranus, giant planets that consist mainly of either gases or ice. Pluto was considered a planet but is now classified as a dwarf planet.

The Solar System is the gravitationally bound system of the Sun and the masses that orbit it, most prominently its eight planets, of which Earth is one. [11] The system formed about 4.6 billion years ago when a dense region of a molecular cloud collapsed, creating the Sun and a protoplanetary disk.

The Solar System is the gravitationally bound system of the Sun and all celestial bodies that orbit it. This includes planets, moons, asteroids, comets, dwarf planets, and countless particles of dust and ice. It is our cosmic neighborhood and the only planetary system known (so far) that supports life.

NASA's Voyager 1 and Voyager 2 are the only spacecraft leaving our solar system. Three other spacecraft – Pioneer 10, Pioneer 11, and New Horizons – will eventually hit interstellar space. 1. Our planetary system is called “the solar system” because we use the word “solar” to describe things.

Venus is the hottest planet with temperatures of up to 867 degrees Fahrenheit, due to an atmosphere of carbon dioxide and extensive lava flows. Next to this world of fire is a world of water, Earth. The water systems on this planet help support life.



create the only known environment in the universe capable of.

Our solar system is made up of the sun and all the amazing objects that travel around it. The universe is filled with billions of star systems. Located inside galaxies, these cosmic arrangements are made up of at least one star and all the objects that travel around it, including planets, dwarf.



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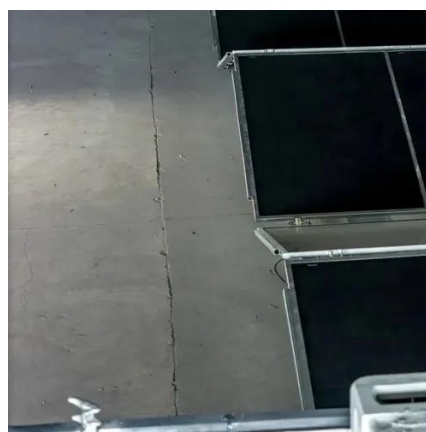


The solar system--facts and information , National Geographic

This digital collage brings together our solar system and points beyond in one view.

[Introduction to the Solar System , Earth Science](#)

The solar system is the Sun and all the objects that are bound to the Sun by gravity. The solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune.



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

Our tour of the planets reveals a solar system that is anything but uniform. Each world is a singular expression of cosmic ...

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

Our tour of the planets reveals a solar system that is anything but uniform. Each world is a singular expression of cosmic evolution--shaped by



collisions, cooled by time, and ...



Solar System Facts

Our solar system includes the Sun, eight planets, five officially named dwarf planets, hundreds of moons, and thousands of asteroids and comets. Our solar system is ...

Solar System

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

The Solar System consists of the Sun and the objects that orbit it. The name comes from Sol, the Latin name for the Sun. It formed about 4.6 billion years ago when a dense region of a molecular cloud collapsed, creating the Sun and a protoplanetary disc from which the orbiting bodies assembled. The fusion of hydrogen into helium inside the Sun's core releases energy, which is primarily e...



[Solar System - Definition & Detailed Explanation](#)

In this article, we will take a closer look at the components of the Solar System, from the blazing Sun to the mysterious comets that roam through



space. What is the Solar ...



Solar System - Definition, Facts, Planets

Learn about the solar system in astronomy. Get its definition, discover the planets in order, and get interesting facts.



Solar System

Inside the Sun's core hydrogen is fused into helium for billions of years, releasing energy which is over even longer periods of time emitted through the Sun's outer layer, the photosphere. This ...

Science 101: The Solar System

How many planets are in the solar system? How did it form in the Milky Way galaxy? Learn facts about the solar system's genesis, plus ...





Science 101: The Solar System

How many planets are in the solar system? How did it form in the Milky Way galaxy? Learn facts about the solar system's genesis, plus its planets, moons, and asteroids.



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

All this information is scrutinized in attempts to understand in detail the origin and evolution of the solar system--a goal toward which astronomers continue to make great strides.



[Our Solar System - Introduction to Astronomy](#)

The Solar System is made up of one central star, eight (or nine, or ten...) known planets, satellites orbiting the planets, and miscellaneous debris; minor bodies; asteroids, meteoroids, comets, ...



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