

Title: Solar System Overview

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What are the different types of planets in our solar system?

There are 17 different types of planets on the basis of composition. Helium Planet. Gas Giant. Gas Dwarf. Desert Planet. Coreless Planet. City Planet. Carbon Plane. Chthonian Planet. How many planets are there in the universe in the universe?

How many planets are in our solar system?

First the quick facts: Our Solar System has eight "official" planets which orbit the Sun. Here are the planets listed in order of their distance from the Sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. An easy mnemonic for remembering the order is "My Very Educated Mother Just Served Us Noodles."

What is beyond our solar system?

The planets beyond our solar system are called "exoplanets," and they come in a wide variety of sizes, from gas giants larger than Jupiter to small, rocky planets about as big around as Earth or Mars. They can be hot enough to boil metal or locked in deep freeze.

What is NASA's role in exploring the solar system?

Water is but one piece of our search for habitable planets and life beyond Earth, yet it links many seemingly unrelated worlds in surprising ways. NASA is looking to answer key questions about our home planet, neighboring planets in our solar system and the universe beyond: How did our solar system originate and change over time?

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 ...

Overview Don't let the name fool you. Our solar system's small bodies - asteroids, comets, and meteors - pack big surprises. These chunks of rock, ice, and metal are leftovers from the ...

NASA's real-time science encyclopedia of deep space exploration. Our scientists and far-ranging robots explore the wild frontiers of our solar system.

Overview Few worlds in our solar system are as compelling as Saturn's icy ocean moon Enceladus. A handful of worlds are thought to have liquid water oceans beneath their ...

Discovery Phobos was discovered on Aug. 17, 1877 by Asaph Hall. Overview Phobos, gouged and nearly shattered by a giant impact crater and beaten by thousands of meteorite impacts, is ...

NASA Solar System Exploration Our Galactic Neighborhood Solar System Planets Moons Asteroids, Comets & Meteors

The solar system is our cosmic neighborhood, a sprawling and dynamic family of celestial bodies orbiting a single, blazing star: the Sun. ...

In this guide, we'll explore how the solar system formed, its structure, and the many fascinating objects it contains.

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