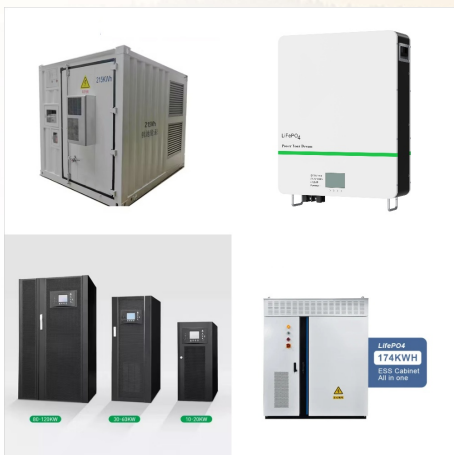




Our solar system is made up of a star??the Sun??eight planets, 146 moons, a bunch of comets, asteroids and space rocks, ice, and several dwarf planets, such as Pluto. Planets, asteroids, and comets orbit our Sun. They travel around our Sun in a flattened circle called an ellipse. It takes the Earth one year to go around the Sun. Mercury



With an atmosphere, stark surface features, and at least five moons, Pluto is the most complex dwarf planet we know, and one of the most surprising solar system planets. New Horizons flew by our favorite dwarf planet in July 2015 and scientists continue to uncover surprising details about this faraway world.

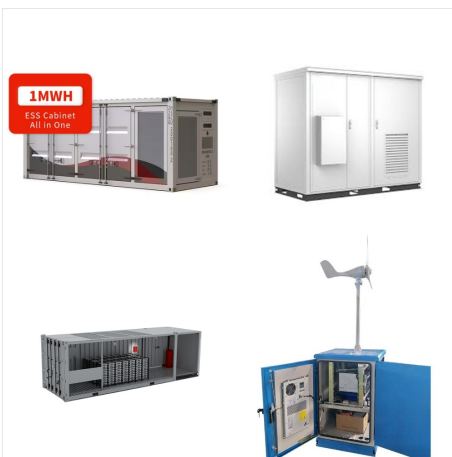


Transcript (English) - [Narrator] Our solar system is one of over 500 known solar systems in the entire Milky Way galaxy. The solar system came into being about 4.5 billion years ago when a cloud of interstellar gas and dust collapsed, resulting in a solar nebula, a swirling disc of material that collided to form the solar system.

ABOUT PLANETS IN OUR SOLAR SYSTEM



Planet Facts a?? The Planets In Order. Our solar system has eight planets: Mercury, Venus, Earth, Mars, In fact, the Olympus Mons is the largest volcano in our solar system. Since Mars is farther from the Sun than us, it takes longer to complete one revolution. It orbits the Sun in 687 Earth days. Mars has an atmosphere but it is very thin



Our solar system features eight planets, seen in this artist's diagram. Although there is some debate within the science community as to whether Pluto should be classified as a Planet or a dwarf planet, the International Astronomical Union has decided on the term plutoid as a name for dwarf planets like Pluto.



This eventually formed the planets and other bodies of the solar system. The solar system consists of the Sun, planets, dwarf planets, moons, and numerous smaller objects such as comets and asteroids. 194 moons, 3,583 comets and a?|

ABOUT PLANETS IN OUR SOLAR SYSTEM



Within our solar system, we have terrestrial planets (Mercury, Venus, Earth, Mars), gas giants (Jupiter and Saturn), and so-called ice giants (Uranus and Neptune). Beyond these categories, we also



Our solar system is located in the Orion spiral arm of the Milky Way Galaxy and contains eight official planets that orbit counterclockwise around the Sun. The order of the eight official solar a?|



On first glance, our solar system seems to be well understood. It includes a single star, planets, their moons, dwarf planets like Pluto and Ceres, and smaller bodies like asteroids, comets, and the outer solar system Kuiper Belt objects.

ABOUT PLANETS IN OUR SOLAR SYSTEM



Learn about the planets in our solar system. The solar system has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. There are five officially recognized dwarf planets in our solar system: Ceres, Pluto, a?]



. The biggest planet in our solar system . explore; What Is the Weather Like on Other Planets? Each of the planets in our solar system experiences its own unique weather. explore; Is There Ice on Other Planets? Yes, there is ice beyond Earth! In fact, ice can be found on several planets and moons in our solar system.



The History of Discovering Planets in Our Solar System The eight planets of the Solar System. Pioneers like Copernicus and Galileo played a key role in deciphering the model of our local solar system using mathematics and telescopes. These observations catalyzed a philosophical pivot from the geocentric model, which placed Earth at the universe

ABOUT PLANETS IN OUR SOLAR SYSTEM



The biggest planet in our solar system . explore; All About the Moon. The biggest planet in our solar system . explore; What Is the Weather Like on Other Planets? Each of the planets in our solar system experiences its own unique weather. explore



The classification of these objects is a matter of minor controversy. Traditionally, the solar system has been divided into planets (the big bodies orbiting the Sun), their satellites (a.k.a. moons, variously sized objects orbiting the planets), asteroids (small dense objects orbiting the Sun) and comets (small icy objects with highly eccentric



A star that hosts planets orbiting around it is called a planetary system, or a stellar system, if more than two stars are present. Our planetary system is called the Solar System, referencing the name of our Sun, and it hosts eight planets.. The eight planets in our Solar System, in order from the Sun, are the four terrestrial planets Mercury, Venus, Earth, and a?|

ABOUT PLANETS IN OUR SOLAR SYSTEM



This eventually formed the planets and other bodies of the solar system. The solar system consists of the Sun, planets, dwarf planets, moons, and numerous smaller objects such as comets and asteroids. 194 moons, 3,583 comets and 796,289 asteroids have been found in the solar system. 99.86% of the solar system's mass is found in the Sun.



Visualize orbits, relative positions and movements of the Solar System objects in an interactive 3D Solar System viewer and simulator. We use cookies to deliver essential features and to measure their performance. Learn more. Got It! menu. Major a?|



As the term is applied to bodies in Earth's solar system, the International Astronomical Union (IAU) lists eight planets orbiting the Sun. Pluto also was listed as a planet until 2006. This is a list of selected planets. (See also astronomy; infrared astronomy; planetarium; radio and radar astronomy; ultraviolet astronomy.) planets of the

ABOUT PLANETS IN OUR SOLAR SYSTEM



. Solar system - Planets, Moons, Orbits: The eight planets can be divided into two distinct categories on the basis of their densities (mass per unit volume). The four inner, or terrestrial, planets—Mercury, Venus, Earth, and Mars—have rocky compositions and densities greater than 3 grams per cubic cm. (Water has a density of 1 gram per cubic cm.) In contrast, a?



Mars, the red planet, is the seventh largest planet in our solar system. Mars is about half the width of Earth, and has an equatorial diameter of about 4,221 miles (6,792 kilometers). Mars is the fourth planet from the Sun, a?



While astronomers have discovered thousands of other worlds orbiting distant stars, our best knowledge about planets, moons, and life comes from one place. The Solar System provides the only known example of a habitable planet, the only star we can observe close-up, and the only worlds we can visit with space probes. Solar System research is essential for understanding a?

ABOUT PLANETS IN OUR SOLAR SYSTEM



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 cloud of interstellar gas and dust collapsed. Most of the material was pulled toward a central point: nearly all of the solar system's mass is in the Sun.



Here's a fun fact, Venus is the only planet in our solar system that spins opposite to Earth. Then we arrive at the piece de resistance: our bloodline, the Sun. During the visit, you could learn more about its billion-year lifespan and its constant solar storms. The solar system tour would not be complete without a stopover at Mars.



There are lots of tricks for remembering the order of the planets. This illustration shows them in order from the sun. WP/CC BY-SA 3.0/Wikipedia. Over the past 60 years, humans have begun to explore our solar system in a?