

What objects make up our solar system





Overview

The following is a list of objects by orbit, ordered by increasing distance from the Sun. Most named objects in this list have a diameter of 500 km or more. • The , a • The and the .

This article includes a list of the most massive known objects of the and partial lists of smaller objects by observed . These lists can be sorted according to an object's radius and mass and, for the most massive objects, volume, density, and surface gravity, if these values are available.

What are the different parts of the Solar System?

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.

What is the largest object in the Solar System?

The Sun is the largest object in the Solar System and was the first to form. The huge gravitational pull of the Sun keeps many other objects - planets, dwarf planets, asteroids and comets - in orbit around it. The Sun alone contains 99.8% of the total mass in the Solar System. The Earth is one of eight planets in the Solar System.

What is a small body in the Solar System?

Any natural solar system object other than the Sun, a planet, a dwarf planet, or a moon is called a small body; these include asteroids, meteoroids, and comets. Most of the more than one million asteroids, or minor planets, orbit between Mars and Jupiter in a nearly flat ring called the asteroid belt.

How many planets are in our Solar System?

So far, Earth is the only place we've found life in our solar system. 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.

Which planets have rocky surfaces?

Nearest to the Sun, only rocky material could withstand the heat when the solar system was young. For this reason, the first four planets – Mercury, Venus, Earth, and Mars – are terrestrial planets. They are all small with solid, rocky surfaces.

How many asteroids are in the Solar System?

Most named objects in this list have a diameter of 500 km or more. Asteroids number in the hundreds of thousands. For longer lists, see [list of exceptional asteroids](#), [list of asteroids](#), or [list of Solar System objects by size](#). The Solar System also contains:



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Solar System Facts: Interesting Facts about Our Solar System

The planets, dwarf planets and other objects in our solar system. There are many different types of objects found in the solar system: a star, planets, moons, dwarf planets, comets, asteroids, ...



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[Solar System - how it was formed, the sun, planets, ...](#)

Currently, that we know of, our solar system consists of our sun, 8 planets, 5 dwarf planets, an asteroid belt, the Kuiper Belt, the Oort Cloud, hundreds of comets, and over a hundred satellites and moons. Each of these objects has ...



[Other Objects in the Solar System , Earth Science](#)

The dwarf planets of our solar system are exciting proof of how much we are learning about our solar system. With the discovery of many new objects in our solar system, in 2006, astronomers refined the definition of a planet.

[Problem 1 What objects make up the solar s \[FREE ...](#)

The solar system is a collection of celestial bodies that orbit around a central star, which in our case is the Sun. It includes a variety of



objects that interact with the Sun's gravitational field.



Chapter 1: The Solar System

The solar system has been a topic of study from the beginning of history. For nearly all that time, people have had to rely on long-range and indirect measurements of its objects. For all of human history and pre-history, ...

Which object contains over 99% of the mass of the Solar System?

What objects make up our solar system? Our solar system consists of our star, the Sun, and everything bound to it by gravity - the planets Mercury, Venus, Earth, Mars, Jupiter, Saturn, ...



The Solar System: our celestial neighbourhood

The Sun generates the energy that sustains our planet and fuels the processes that make Earth habitable. The largest objects that orbit the Sun directly include the eight planets, and smaller objects, like dwarf planets and small Solar ...



[Other Objects in the Solar System , Earth Science](#)

Thousands of objects, including comets and asteroids, are zooming around our solar system; some could be on a collision course with Earth. QUEST explores how these Near Earth Objects are being tracked and what scientists are ...



[A Map of Every Object in our Solar System](#)

The Solar System also includes smaller space objects. Biologist Eleanor Lutz scrupulously mapped out each known space object in our solar system over ten kilometers (about 10000 asteroids). When mapping the space ...



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 ...



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

Overview
Graphical overview
Objects with radii over 400 km
Smaller objects by mean radius
See also
Further reading

This article includes a list of the most massive known objects of the Solar System and partial lists of smaller objects by observed mean radius. These lists can be sorted according to an object's



radius and mass and, for the most massive objects, volume, density, and surface gravity, if these values are available.

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