

# Largest natural satellite of the solar system

What is the largest natural satellite in the Solar System?

Ganymede is the largest natural satellite in the solar system. Ganymede orbits Jupiter and surpasses even the planet Mercury in size. The moon has a mean diameter of 5,268.2 km and an equatorial diameter of 5,262 km. Ganymede's mass is  $1.4819 \times 10^{23}$  kg, with a surface area of  $1.936 \times 10^{10}$  km<sup>2</sup>; and a volume of  $7.1 \times 10^{10}$  km<sup>3</sup>.

What are the 7 largest natural satellites in the Solar System?

The seven largest natural satellites in the Solar System (those bigger than 2,500 km across) are Jupiter's Galilean moons (Ganymede, Callisto, Io, and Europa), Saturn's moon Titan, Earth's moon, and Neptune's captured natural satellite Triton. Triton, the smallest of these, has more mass than all smaller natural satellites together.

Which planet has the most natural satellites?

Saturn holds the record for the most natural satellites with 146 moons. Jupiter follows with 92 confirmed moons. Uranus has 27, Neptune 14, Mars 2, and Earth 1. Venus and Mercury have no natural satellites. Earth possesses one natural satellite called the Moon. The Moon orbits Earth at an average distance of 238,855 miles (384,400 kilometers).

What is the largest irregular shaped natural satellite?

Neptune's moon Proteus is the largest irregularly shaped natural satellite; the shapes of Eris' moon Dysnomia and Orcus' moon Vanth are unknown.

What is a natural satellite?

A natural satellite is, in the most common usage, an astronomical body that orbits a planet, dwarf planet, or small Solar System body (or sometimes another natural satellite). Natural satellites are colloquially referred to as moons, a derivation from the Moon of Earth.

How many natural satellites does Jupiter have?

Jupiter, the largest planet in our solar system, has 79 known natural satellites, while Mercury has none. Natural satellite examples include Earth's Moon, Mars' Phobos and Deimos, and Jupiter's and Saturn's moons. Jupiter possesses 79 known moons, while Saturn has 62 confirmed natural satellites.

The largest moon of Saturn and the second-largest natural satellite in the Solar System. It is the only moon known to have a dense atmosphere, and the only known body in space, other than Earth, where clear evidence of stable bodies of surface liquid has been found. Callisto.

Ganymede, or Jupiter III, is the largest and most massive natural satellite of Jupiter, and in the Solar System.

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Despite being the only moon in the Solar System with a substantial magnetic field, it is the largest Solar System object ...

They are respectively the fourth-, sixth-, first-, and third-largest natural satellites in the Solar System, containing approximately 99.997% of the total mass in orbit around Jupiter, while Jupiter is almost 5,000 times more massive than the Galilean moons. [note 3] The inner moons are in a 1:2:4 orbital resonance.

Ganymede, largest of Jupiter's satellites and of all the satellites in the solar system. One of the Galilean moons, it was discovered by the Italian astronomer Galileo in 1610. ... Ganymede Jupiter's moon Ganymede, a natural-colour view derived from images taken by the Galileo spacecraft on June 26, 1996. The surface of the satellite shows ...

In the Solar System, there are at least 319 known satellites. A majority of those moons belong to the planet of Saturn, having a total of 146 moons. Jupiter has the second most amount of moons. The largest of these moons is Ganymede, which is one of the Galilean Moons. See more information on moons here. Moon names in quotation marks are unofficial names. Example: ...

The Pluto-Charon system is unusual in that the center of mass lies in open space between the two, a characteristic sometimes associated with a double-planet system. The seven largest natural satellites in the Solar System (those bigger than 2,500 km across) are Jupiter's Galilean moons (Ganymede, Callisto, Io, and Europa), Saturn's moon Titan ...

The flyby will be the closest a spacecraft has come to the solar system's largest natural satellite since NASA's Galileo spacecraft made its penultimate close approach back on May 20, 2000. Along with striking imagery, the solar-powered spacecraft's flyby will yield insights into the moon's composition, ionosphere, magnetosphere, and ...

At 2,710 kilometers (1,680 mi) [6] in diameter, Triton is the seventh-largest moon in the Solar System, the second-largest planetary moon in relation to its primary (after Earth's Moon), and larger than all of the known dwarf planets. The mean density is 2.061 g/cm<sup>3</sup>, [6] reflecting a composition of approximately 30-45% water ice by mass, [7]: 866 with the rest being mostly ...

On Monday, June 7, at 1:35 p.m. EDT (10:35 a.m. PDT), NASA's Juno spacecraft will come within 645 miles (1,038 kilometers) of the surface of Jupiter's largest moon, Ganymede. The flyby will ...

The American space agency's Juno probe has returned some close-in views of Ganymede - one of Jupiter's four Galilean moons and the largest natural satellite in the Solar System. The imagery was ...

Ganymede: Discovered by Galileo Galilei on January 7, 1610, it is the largest satellite in our solar system. It is even larger than Mercury and Pluto, and three-quarters the size of Mars. Mean radius 2634.1±0.3 km

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(0.413 Earths). ... It is the 3rd-largest natural satellite of Saturn and the 11th-largest in the Solar System. Dimensions: 1,492 x ...

A natural satellite, or moon, is a small body that orbits a larger one. There are at least 200 known moons in the solar system, but most of these orbit one of the giant outer planets. Within the solar system's inner region, there are only three moons.

Ganymede is the largest natural satellite in the Solar System at 5262.4 kilometers in diameter, ... It is the only satellite in the Solar System known to possess a magnetosphere, likely created through convection within the liquid iron core. ...

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The largest objects in the solar system. Image: Ganymede is the largest natural satellite of Jupiter and also the largest natural satellite in the solar system. With a diameter of about 5262 kilometers it is the largest object after the Sun and the planets.

How Many Moons Are in Our Solar System? Naturally-formed bodies that orbit planets are called moons, or planetary satellites. The best-known planetary satellite is, of course, Earth's Moon. Since it was named before we learned about other planetary satellites, it is called simply "Moon." According to the NASA/JPL Solar System Dynamics team, the current tally [...]

Our Moon is the fifth largest natural satellite. Ganymede, a moon of Jupiter, is the largest in this solar system. At 5,268 km at the equator, it is larger than Mercury, the dwarf planet Pluto ...

The resulting debris from both Earth and the impactor accumulated to form our natural satellite 239,000 miles (384,000 kilometers) away. The newly formed Moon was in a molten state, but within about 100 million years, most of the global 'magma ocean' had crystallized, with less-dense rocks floating upward and eventually forming the lunar crust.

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The largest natural satellite in the Solar System is Jupiter's moon, Ganymede. Ganymede and Saturn's largest moon, Titan, are bigger than the planet Mercury. Earth's Moon is the fifth largest moon in the Solar System after Ganymede and Triton (listed above), Callisto and Io. Titan often appears to be on because of its dense



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