

The largest moon in the solar system

What is the largest moon in the Solar System?

Orbiting the planet Jupiter is the solar system's largest moon. Called Ganymede, it has a diameter of 3,275 miles (5,270 kilometers). This makes Ganymede even larger than the planet Mercury, which has a diameter of 3,032 miles (4,879 kilometers). If Ganymede formed in orbit around the Sun rather than Jupiter, it would likely be defined as a planet.

What is Jupiter's largest moon?

Jupiter's Galilean moons size comparison (Io, Europa, Ganymede and Callisto) Ganymede is the largest moon in the solar system, and is larger than the planet Mercury. If it were not orbiting as Jupiter's largest moon, it could be considered a dwarf planet. Ganymede is the only moon in the solar system known to have a substantial magnetosphere.

What is the furthest Moon from Jupiter?

The furthest from Jupiter was called Callisto. Callisto is the second-largest moon of Jupiter and the third-largest in the solar system overall, having a diameter of 2,995 miles (4,820 kilometers). The surface of Callisto is heavily cratered, and it is likely the least active world in the solar system.

How big is the Moon if Earth were a nickel?

At 2,159 miles/3,475 km in diameter, the moon is the fifth largest moon in the solar system. If Earth were the size of a nickel, the Moon would be about as big as a coffee bean. Mercury is only about 40% bigger.

What are Jupiter's moons called?

In time, he would notice that these "stars" were orbiting the planet, and realized that they were in fact Jupiter's moons - which would come to be named Io, Europa, Ganymede and Callisto. Of these, Ganymede is the largest, and boasts many fascinating characteristics.

How many moons are there in the Solar System?

NASA JPL Solar System Dynamics lists 290 moons: one moon for Earth; two for Mars; 95 at Jupiter; 146 at Saturn; 27 at Uranus; 14 at Neptune; and five for dwarf planet Pluto but the more official and recognized count is a little lower. Jupiter and Saturn are often neck and neck for the most number of officially recognized moons in the solar system.

Saturn's largest moon, Titan, is an icy world whose surface is completely obscured by a golden hazy atmosphere. Titan is the second largest moon in our solar system. Only Jupiter's moon Ganymede is larger, by just 2 percent. Titan is bigger than Earth's moon, and larger than even the planet Mercury. This mammoth moon is [...]

How Many Moons Are in Our Solar System? Naturally-formed bodies that orbit planets are called moons, or

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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 [...]

Parts-per-million chart of the relative mass distribution of the Solar System, each cubelet denoting 2×10^{24} kg. 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 ...

With four large moons and many smaller moons, Jupiter forms a kind of miniature solar system. Jupiter has 95 moons that are officially recognized by the International Astronomical Union. The four largest moons - Io, Europa, Ganymede, and Callisto - were first observed by the astronomer Galileo Galilei in 1610 using an early version of the ...

Titan, the second largest in the solar system, is the only moon with a thick atmosphere. In the realm of the ice giants, Uranus's inner moons appear to be about half water ice and half rock. Miranda is the most unusual; its chopped-up appearance shows ...

Being the largest planet in the Solar System, Jupiter has the second-largest number of moons. The first four of them - the Galilean moons - were discovered more than 400 years ago. Which of them is the biggest in the Solar System, and which is potentially habitable? ... Ganymede: the largest moon in the Solar System. Mass: 0.025 Earths ...

The largest moon in the solar system is Ganymede. 2. The jovian moon with the most geologically active surface is Io. 3. Strong evidence both from surface features and magnetic field data support the existence of a subsurface ocean on Europa. 4. Tidal heating is responsible for the tremendous volcanic activity on Io.

An overview of the history, mythology and current scientific knowledge of the planets, moons and other objects in our solar system. Skip to content. Menu. The Nine Planets ... The only place beyond Earth that humans have explored, the Moon is the largest and brightest object in our sky - responsible for the tides and keeping Earth stable on its ...

Ganymede, Jupiter's largest moon is the largest moon in the solar system. It has a mean radius of 2,631 kilometers, meaning it is larger than Mercury which has a mean radius of 2,439.7 kilometers. The only known moon with its own magnetic field, Ganymede has a metallic iron core and a thin atmosphere composed mainly of oxygen.

Overview History Name Orbit and rotation Physical characteristics Origin and evolution Exploration See also Ganymede, or Jupiter III, is the largest and most massive natural satellite of Jupiter, and in the Solar System. Despite being the only moon in the Solar System with a substantial magnetic field, it is the largest Solar System object without a substantial atmosphere. Like Saturn's largest moon Titan, it is larger than the

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planet Mercury, but has somewhat less surface gravity than Mercury, Io, ...

Titan is the largest moon of Saturn and the second-largest in the Solar System is the only moon known to have an atmosphere denser than the Earth's and is the only known object in space--other than Earth--on which there is clear evidence that stable bodies of liquid exist. Titan is one of seven gravitationally rounded moons of Saturn and the second-most distant among ...

Saturn's largest moon Titan is an extraordinary and exceptional world. Among our solar system's hundreds of known moons, Titan is the only one with a substantial atmosphere. And of all the places in the solar system, Titan is the only place besides Earth known to have liquids in the form of rivers, lakes and seas [...]

The Moon's diameter is 3,474 km / 2,158 mi, and it is the biggest Moon in the Solar System relative to the size of its planet. When it comes to other satellites, the Moon is the fifth largest satellite in the Solar System. So let's take a look at the top 10 biggest moons in the Solar System. Top 10 Biggest Moons in the Solar System

moons, yet embedded in Saturn's rings are distinct moons or "moonlets." Small "shepherd" moons help keep the rings in line. Saturn's moon Titan, the second largest in the solar system, is . the only moon with a thick atmosphere. Beyond Saturn, Uranus has 27 known moons. The inner moons . appear to be about half water ice and half rock.

Jupiter's icy moon Ganymede is the largest moon in our solar system, even bigger than the planet Mercury, and the dwarf planet Pluto. There's strong evidence that Ganymede has an underground saltwater ocean that may hold more water than all the water on Earth's surface. It might even have ice and oceans stacked up in several layers like a club sandwich.

The solar system's largest moon, Ganymede, is captured here alongside the planet Jupiter in a color picture taken by NASA's Cassini spacecraft on Dec. 3, 2000. Ganymede is larger than the planets Mercury and Pluto and Saturn's largest moon, Titan. Both Ganymede and Titan have greater surface area than the entire Eurasian continent on our planet.

Ganymede is the largest moon in the solar system, and is larger than the planet Mercury. If it were not orbiting as Jupiter's largest moon, it could be considered a dwarf planet. Ganymede is the only moon in the solar system known to have a substantial magnetosphere. That implies there is something inside helping to generate a strong magnetic ...

One of Jupiter's moons, Ganymede, is the largest moon in the Solar System. Ganymede has a diameter of 3270 miles (5,268 km) and is larger than the planet Mercury. It has a rocky core with a water/ice mantle and a crust of rock and ice. Ganymede has mountains, valleys, craters and old lava flows. Continue the conversation on

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Of the Solar System's eight planets and its nine most likely dwarf planets, six planets and seven dwarf planets are known to be orbited by at least 300 natural satellites, or moons. At least 19 of them are large enough to be gravitationally rounded; of these, all are covered by a crust of ice except for Earth's Moon and Jupiter's Io. [1] Several of the largest ones are in hydrostatic ...

The largest moon in the solar system is Ganymede which orbits Jupiter, the fifth planet from the Sun.. Ganymede's radius is 2,631.2 km which is larger than our Moon which is 1737.5 km. In comparison, the Earth's radius is 6,371km so roughly it ...

The brightest and largest object in our night sky, the Moon makes Earth a more livable planet by moderating our home planet's wobble on its axis, leading to a relatively stable climate. ... provide an impact history for the Moon and other bodies in the inner solar system. If you looked in the right places on the Moon, you would find pieces of ...

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