Names

Jupiter latin is Luppiter which means King of Gods in Roman mythology. God of the sky and thunder known as Zeus. It is also considered the planet of good luck, optimism, success and generosity.
Jupiter is the king of all gods. Jupiter ruled all heavens, the earth, and all life. No one has more power over Jupiter. All major decisions had to include Jupiter in order to get passed. Jupiter has two brothers Pluto and Neptune. Jupiter put Pluto in charge of the underworld and had Neptune in charge of the seas. Jupiter would often visit Neptune. Under water he would turn himself into an octopus. He visited Pluto in the underworld. The other gods were scared of Jupiter because of his temper with people who lied and they often did. Jupiter is now watching over earth and starts fights between people.

Jupiter’s wife is Juno.
Extra info

Diameter is 89,000 miles.
Orbits the sun every 11.86 years
Has 14 moons visible to earth through a telescope
Travel time

The Galileo spacecraft launched in October 1989. It took just over six years to reach the gas giant, arriving in December 1995. Traveling a distance of 2.5 billion miles. It traveled around Venus, Earth, and the asteroid Gaspra to reach Jupiter.
Formation

Approximately 4.6 billion years ago, the solar system was a cloud of dust and gas known as a solar nebula. Gravity collapsed the material in on itself as it began to spin, forming the sun in the center of the nebula.

With the rise of the sun, the remaining material began to clump up. Small particles drew together, bound by the force of gravity, into larger particles. The solar wind swept away lighter elements, such as hydrogen and helium, from the closer regions, leaving only heavy, rocky materials to create smaller terrestrial worlds. But farther away, the solar winds had less impact on lighter elements, allowing them to coalesce into gas giants. In this way, asteroids, comets, planets, and moons were created, including Jupiter.
Revolution and Rotation

Revolution Period is 11.86 earth years

Rotation Period 0.4 Earth days (9.8 Earth hours)
Composition

Composition: Jupiter’s core is probably not solid but a dense hot liquid with a consistency like thick soup.

The pressure inside Jupiter may be 30 million times greater than the pressure at Earth’s surface.
Surface features

Made up of mostly hydrogen gas and helium gas like the sun.

90% of the atmosphere is nearly 10% composed of helium.

Planet is covered in thick red, brown, yellow, and white clouds. The clouds give the planet a stripped look.

BEST feature is the big Red Spot.
Natural Satellites

Jupiter has over 50 named moons and 6 more have been discovered recently. They think that there are 64 moons orbiting Jupiter. The four largest moons are the Galilean moons which include Io, Europa, Ganymede, and Callisto.
Man made satellites

There are a few man made satellites of Jupiter. They are named Juno, Galileo, Pioneer 11, Pioneer 12, and the Explor 1. These times they were launched span from 1958 to 2013.
Fun Facts

the fifth planet out from the Sun, and is two and a half times more massive than all the es and is therefore known as a “gas giant”. other planets in the solar system combined. It is made primarily of gas. The Red spot is a giant storm.