Query ID: test1023

Query Text: what type of planet is neptune known as

Retrieved Documents:

1	doc36002	Neptune. Neptune is the eighth and farthest known planet from the Sun in the Solar System. In the Solar System, it is the fourth-largest planet by diameter, the third-most-massive planet, and the dens
1	doc36004	Neptune. Like Jupiter and Saturn, Neptune's atmosphere is composed primarily of hydrogen and helium, along with traces of hydrocarbons and possibly nitrogen, but it contains a higher proportion of "ic
0	doc734561	Planets beyond Neptune. In 2014 astronomers at the Universidad Complutense in Madrid suggested that the available data actually indicate more than one trans-Neptunian planet;[66] subsequent work furth
0	doc41273	Sun. The Sun has eight known planets. This includes four terrestrial planets (Mercury, Venus, Earth, and Mars), two gas giants (Jupiter and Saturn), and two ice giants (Uranus and Neptune). The Solar
0	doc734559	Planets beyond Neptune. In 2012, Rodney Gomes modelled the orbits of 92 Kuiper belt objects and found that six of those orbits were far more elongated than the model predicted. He concluded that the s
0	doc1261794	IAU definition of planet. [1] The eight planets are: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune. [2] An IAU process will be established to assign borderline objects into either
0	doc2412992	Definition of planet. One of the main points at issue is the precise meaning of "cleared the neighbourhood around its orbit". Alan Stern objects that "it is impossible and contrived to put a dividing
0	doc1590087	Pluto. Pluto was discovered by Clyde Tombaugh in 1930 and was originally considered to be the ninth planet from the Sun. After 1992, its status as a planet was questioned following the discovery of se
0	doc955306	Dwarf planet. The term dwarf planet has itself been somewhat controversial, as it implies that these bodies are planets, much as dwarf stars are stars.[33] This is the conception of the Solar System t
0	doc2412973	Definition of planet. Pluto's orbit lay within this band and thus its planetary status was thrown into question. Many scientists concluded that tiny Pluto should be reclassified as a minor planet, jus
0	doc747186	Planet Nine. Recent speculation about the alignment of the eTNOs being due to a distant massive planet began with a 2014 letter to the journal Nature, in which astronomers Chad Trujillo and Scott S. S
0	doc286355	Planets in astrology. Ceres () is the smallest identified dwarf planet in the Solar System, but is significantly the largest object in the asteroid belt. It was discovered on 1 January 1801 by Giusepp
0	doc70485	Trident. In Roman myth, Neptune also used a trident to create new bodies of water and cause earthquakes. A good example can be seen in Gian Bernini's Neptune and Triton.
0	doc1684383	Triton (moon). Triton's rotation is tidally locked to be synchronous with its orbit around Neptune: it keeps one face oriented toward the planet at all times. Its equator is almost exactly aligned wit
0	doc2287235	Earth analog. This comparison indicates that size alone is a poor measure, particularly in terms of habitability. Temperature must also be considered as Venus and the planets of Alpha Centauri B (disc
0	doc1792546	Discovery of Neptune. In 1821, Alexis Bouvard had published astronomical tables of the orbit of Uranus, making predictions of future positions based on Newton's laws of motion and gravitation.[15] Sub
0	doc1871584	Nereid (moon). Nereid orbits Neptune in the prograde direction at an average distance of 5,513,400 km (3,425,900 mi), but its high eccentricity of 0.7507 takes it as close as 1,372,000 km (853,000 mi)
0	doc2059824	Extraterrestrial atmosphere. Saturn's atmosphere has several unusual features. Its winds are among the Solar System's fastest, with Voyager data indicating peak easterly winds of 500A m/s. It is also
0	doc288336	Solar System. Due to their higher boiling points, only metals and silicates could exist in solid form in the warm inner Solar System close to the Sun, and these would eventually form the rocky planets

0	doc36034	Neptune. In 1989, the Great Dark Spot, an anti-cyclonic storm system spanning 13,000 6,600 km,[72] was discovered by NASA's Voyager 2 spacecraft. The storm resembled the Great Red Spot of Jupiter. S
0	doc2304524	Accretion (astrophysics). The formation of terrestrial planets differs from that of giant gas planets, also called Jovian planets. The particles that make up the terrestrial planets are made from meta
0	doc1079005	Planet. Non-European cultures use other planetary-naming systems. India uses a system based on the Navagraha, which incorporates the seven traditional planets (Surya for the Sun, Chandra for the Moon,
0	doc2204929	Ancient Greek astronomy. The name "planet" comes from the Greek term (planetes), meaning "wanderer", as ancient astronomers noted how certain lights moved across the sky in relation to the ot
0	doc1605604	Giant planet. Jupiter and Saturn's outermost portion of the hydrogen atmosphere has many layers of visible clouds that are mostly composed of water and ammonia. The layer of metallic hydrogen makes up
0	doc83904	Uranus. The standard model of Uranus's structure is that it consists of three layers: a rocky (silicate/ironnickel) core in the centre, an icy mantle in the middle and an outer gaseous hydrogen/heliu
0	doc220403	Rings of Saturn. The rings of Saturn are the most extensive planetary ring system of any planet in the Solar System. They consist of countless small particles, ranging from I14m to m in size,[1] that o
0	doc1727116	Moons of Pluto. (Images not to scale)
0	doc734541	Planets beyond Neptune. By the beginning of 1930, Tombaugh's search had reached the constellation of Gemini. On 18 February 1930, after searching for nearly a year and examining nearly 2 million stars
0	doc253278	The Planets. One explanation for the suite's structure, presented by Holst scholar Raymond Head, is the ruling of astrological signs of the zodiac by the planets:[29] if the signs are listed along wit
0	doc2252354	Philosophy of science. In fact, according to the DuhemQuine thesis, after Pierre Duhem and W. V. Quine, it is impossible to test a theory in isolation.[46] One must always add auxiliary hypotheses in
0	doc2412953	Definition of planet. The definition of planet, since the word was coined by the ancient Greeks, has included within its scope a wide range of celestial bodies. Greek astronomers employed the term ast
0	doc2625086	Atmosphere of Pluto. The atmosphere of Pluto is the tenuous layer of gases surrounding Pluto. It consists mainly of nitrogen (N2), with minor amounts of methane (CH4) and carbon monoxide (CO), all of
0	doc1260965	Drake equation. On the other hand, the variety of star systems that might have habitable zones is not just limited to solar-type stars and Earth-sized planets. It is now estimated that even tidally lo
0	doc1078996	Planet. The 2006 IAU definition presents some challenges for exoplanets because the language is specific to the Solar System and because the criteria of roundness and orbital zone clearance are not pr
0	doc280725	Saturn. Standard planetary models suggest that the interior of Saturn is similar to that of Jupiter, having a small rocky core surrounded by hydrogen and helium with trace amounts of various volatiles
0	doc610455	Moons of Saturn. The modern names for Saturnian moons were suggested by John Herschel in 1847.[13] He proposed to name them after mythological figures associated with the Roman titan of time, Saturn (
0	doc1590129	Pluto. Pluto is more than twice the diameter and a dozen times the mass of the dwarf planet Ceres, the largest object in the asteroid belt. It is less massive than the dwarf planet Eris, a trans-Neptu
0	doc2189556	Convection. Ice convection on Pluto is believed to occur in a soft mixture of nitrogen ice and carbon monoxide ice. It has also been proposed for Europa,[29] and other bodies in the outer solar system
0	doc137543	Corona Borealis. The discovery of a Jupiter-sized planetary companion was announced in 1997 via analysis of the radial velocity of Rho Coronae Borealis, a yellow main sequence star and Solar analog of
0	doc519339	Moons of Jupiter. Of Jupiter's moons, eight are regular satellites with prograde and nearly circular orbits that are not greatly inclined with respect to Jupiter's equatorial plane. The Galilean satel
0	doc1321417	Planetary habitability. Habitability indicators and biosignatures must be interpreted within a planetary and environmental context.[2] In determining the habitability potential of a body, studies focu

0	doc1073048	List of nearest terrestrial exoplanet candidates. On November 4, 2013, astronomers reported, based on Kepler space mission data, that there could be as many as 40 billion Earth-sized planets orbiting
0	doc2362037	Enceladus. Enceladus is named after the giant Enceladus of Greek mythology.[1] The name, like the names of each of the first seven satellites of Saturn to be discovered, was suggested by William Hersc
0	doc749342	Mercury (planet). Mercury's axial tilt is almost zero,[89] with the best measured value as low as 0.027 degrees.[90] This is significantly smaller than that of Jupiter, which has the second smallest a
0	doc749373	Mercury (planet). The difficulties inherent in observing Mercury mean that it has been far less studied than the other planets. In 1800, Johann Schroter made observations of surface features, claiming
0	doc1184786	Cirrus cloud. On Jupiter, cirrus clouds are composed of ammonia. When Jupiter's South Equatorial Belt disappeared, one hypothesis put forward by Glenn Orten was that a large quantity of ammonia cirrus
0	doc1220389	Extraterrestrial skies. Pluto by moonlight (artist concept).
0	doc113838	Pluto (mythology). Christian writers of late antiquity sought to discredit the competing gods of Roman and Hellenistic religions, often adopting the euhemerizing approach in regarding them not as divi
0	doc620203	Lithosphere. A lithosphere (Ancient Greek: [lithos] for "rocky", and [sphaira] for "sphere") is the rigid,[1] outermost shell of a terrestrial-type planet or natural satellite that is def
0	doc83889	Uranus. The object was soon universally accepted as a new planet. By 1783, Herschel acknowledged this to Royal Society president Joseph Banks: "By the observation of the most eminent Astronomers in Eu
0	doc2657950	Atmosphere of Uranus. Knowledge of the isotopic composition of Uranus's atmosphere is very limited.[27] To date the only known isotope abundance ratio is that of deuterium to light hydrogen: 699555000
0	doc98197	Alpha Centauri. In the Solar System both Jupiter and Saturn were probably crucial in perturbing comets into the inner Solar System. Here, the comets provided the inner planets with their own source of
0	doc1657974	Binary star. When a binary system contains a compact object such as a white dwarf, neutron star or black hole, gas from the other (donor) star can accrete onto the compact object. This releases gravit
0	doc747204	Planet Nine. Since early 2016, seven more extreme trans-Neptunian objects have been discovered with orbits that have a perihelion greater than 30 AU and a semi-major axis greater than 250 AU. These ar
0	doc1933808	Asteroid spectral types. For example, the Mars-crosser 1747 Wright has an AU: class, which means that it is an A-type asteroid, though with an unusual and noisy spectrum.
0	doc1536394	List of natural satellites. Jupiter has 69 moons with known orbits, of which 60 have confirmed orbits and have thus received permanent designations; of these, 51 have been named. Its eight regular moo
0	doc1590126	Pluto. Pluto's diameter is 70062376600000000002376.63.2 km[5] and its mass is 7022130299999999999(1.3030.003)1022 kg, 17.7% that of the Moon (0.22% that of Earth).[113] Its surface area is 701317
0	doc838451	Natural satellite. No "moons of moons" (natural satellites that orbit a natural satellite of a planet) are currently known as of 2017. In most cases, the tidal effects of the planet would make such a
0	doc749326	Mercury (planet). One unusual feature of Mercury's surface is the numerous compression folds, or rupes, that crisscross the plains. As Mercury's interior cooled, it contracted and its surface began to
0	doc176216	Exoplanet. On 9 January 1992, radio astronomers Aleksander Wolszczan and Dale Frail announced the discovery of two planets orbiting the pulsar PSR 1257+12.[26] This discovery was confirmed, and is gen

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