

# Why Was Pluto Not A Planet

has sufficient mass to assume hydrostatic equilibrium (a nearly round shape), and

Pluto (Disney) characters, Pluto is not anthropomorphic beyond some characteristics such as facial expressions. He is Mickey Mouse's pet. Officially a mixed-breed dog, he made his debut as a bloodhound in the Mickey Mouse cartoon The Chain Gang. Unlike most of the Disney characters, Pluto is not anthropomorphic beyond some characteristics such as facial expressions. Officially a mixed-breed dog Pluto is an American cartoon character created by Walt Disney and Norm Ferguson. Together with Mickey Mouse, Minnie Mouse, Donald Duck, Daisy Duck, and Goofy, Pluto is one of the "Sensational Six"—the biggest stars in the Disney universe. Though all six are non-human animals, Pluto alone is not dressed as a human. He is a yellow-orange color, medium-sized, short-haired dog with black ears. He is Mickey Mouse's pet

Dwarf planet The prototypical dwarf planet is Pluto, which for decades was regarded as a planet before the "dwarf" concept was adopted in 2006. The prototypical dwarf planet is Pluto, which for decades was regarded as a planet before the "dwarf" concept was adopted A dwarf planet is a small planetary-mass object that is in direct orbit around the Sun, massive enough to be gravitationally rounded, but insufficient to achieve orbital dominance like the eight classical planets of the Solar System. classical planets of the Solar System

The reddish-brown cap of the north pole of Charon is composed of tholins, organic macromolecules that may be essential ingredients of life. These tholins were produced from methane, nitrogen... Astronomers are in general agreement that at least the nine largest candidates are dwarf planets – in rough order of decreasing diameter, Pluto, Eris, Haumea, Makemake, Gonggong, Quaoar, Sedna, Ceres, and Orcus. A considerable uncertainty remains over the tenth largest candidate Salacia, which may thus be considered a borderline case. Of these ten, two have been visited by spacecraft (Pluto and Ceres) and seven others...

Definition of planet Pluto fulfills the first two of these criteria, but not the third and therefore does not qualify as a planet under this formalized The definition of the term planet has changed several times since the word was coined by the ancient Greeks. Greek astronomers employed the term ἀστέρες πλανῆται (asteres planetai), 'wandering stars', for star-like objects which apparently moved over the sky. Over the millennia, the term has included a variety of different celestial bodies, from the Sun and the Moon to satellites and asteroids. approaching its orbit

With half the diameter and one-eighth the mass of Pluto, Charon is a very large moon in comparison to its parent body. Its gravitational influence is such that the barycenter of the Plutonian system lies outside Pluto, and the two bodies are tidally locked to each other. The dwarf planet systems Pluto–Charon and Eris–Dysnomia and the dwarf planet candidate system Salacia–Actaea are the only known examples of mutual tidal locking in the Solar System, though it is likely that Orcus–Vanth is another. Pluto has a moderately eccentric and inclined orbit, ranging from 30 to 49 astronomical units (4.5 to 7.3 billion kilometres; 2.8 to 4.6 billion miles) from the Sun. Light from the Sun

takes 5.5 hours to reach Pluto at its orbital distance of 39.5 AU (5.91 billion km; 3.67 billion mi). Pluto's eccentric orbit periodically brings it closer to the Sun than Neptune, but a stable orbital resonance prevents them from colliding. Her role and importance differ greatly between the original anime and manga (while her personality in the two media is mostly the same). A major part of the second arc in the original manga is Pluto and Chibiusa's relationship. In the anime, this relationship is not focused on... The memoir is an account of the events surrounding the redefinition of the term planet that eventually changed the status of Pluto.

Pluto Pluto (minor-planet number 134340) is a dwarf planet in the Kuiper belt, a ring of bodies beyond the orbit of Neptune. It is the ninth-largest and tenth-most-massive Pluto (minor-planet number 134340) is a dwarf planet in the Kuiper belt, a ring of bodies beyond the orbit of Neptune. Originally considered a planet, its status was changed when astronomers adopted a new definition of the word with new criteria. Like other Kuiper belt objects, Pluto is made primarily of ice and rock and is much smaller than the inner planets. It is the ninth-largest and tenth-most-massive known object to directly orbit the Sun. It is the largest known trans-Neptunian object by volume by a small margin, but is less massive than Eris. Pluto has roughly one-sixth the mass of the Moon and one-third of its volume

Many planetary geologists consider dwarf planets and planetary-mass moons to be planets, but since 2006 the IAU and many astronomers have excluded them from the roster of planets.

Eris (dwarf planet) It is also the largest-known object in the Solar System that has not been visited by a spacecraft. According to Brown, We chose it since it started with an X (planet &quot;X&quot;), it sounds mythological Eris (minor-planet number 136199) is the most massive and second-largest-known dwarf planet in the Solar System. It was named in September 2006 after the Greco-Roman goddess of strife and discord. Eris has been measured at  $2,326 \pm 12$  kilometres ( $1,445 \pm 7$  mi) in diameter; its mass is 0. It is a trans-Neptunian object (TNO) in the scattered disk and has a high-eccentricity orbit. Eris was discovered in January 2005 by a Palomar Observatory-based team led by Mike Brown and verified later that year. Eris is the ninth-most massive known object orbiting the Sun and the sixteenth-most massive in the Solar System (counting moons). Both Eris and Pluto have a surface area that is comparable to that of Russia or South America. 28% that of the Earth and 27% greater than that of Pluto, although Pluto is slightly larger by volume. first body they discovered that was larger than Pluto

has "cleared the neighbourhood" around its orbit.

Exploration of Pluto There are no plans as yet for a follow-up mission, though follow-up concepts have been studied. the outer planets, including Pluto, by using gravity assists. Due to the cost, the mission was not funded, although the planetary alignment was used by The exploration of Pluto began with the arrival of the New Horizons probe in July 2015, though proposals for such a mission had been studied for many decades

One of many possibilities for the Voyager 1 spacecraft after its flyby of Saturn in 1980 was to use Saturn as a slingshot towards Pluto for a flyby as early as March 1986. However, scientists decided that a flyby of Titan during the Saturn encounter would be a more important scientific... Pluto, discovered by Clyde Tombaugh in 1930, is an interesting target for planetary exploration, but Pluto presents significant challenges for exploration because of its small mass and great distance from Earth. In 1964, Gary Flandro of the Jet Propulsion Laboratory proposed a mission called Grand Tour, taking advantage of the fact that an alignment of planets in the late

1970s would enable a single spacecraft to visit all of the outer planets, including Pluto, by using gravity assists. Due to the cost, the mission was not funded, although the planetary alignment was used by the two probes of the Voyager program, launched in 1977.

Charon (moon) It has a mean radius of 606 km (377 mi). Charon is a planetary-mass moon of the dwarf planet Pluto. It was discovered in 1978 at the United States Naval Observatory in Washington, D. C. , using photographic plates taken at the United States Naval Observatory Flagstaff Station (NOFS). Charon is a planetary-mass moon and the sixth-largest known trans-Neptunian object after Pluto, Eris, Haumea, Makemake, and Gonggong. It has a mean radius of 606 km (377 mi). (134340) Pluto I, is the largest of the five known natural satellites of the dwarf planet Pluto

A non-satellite body fulfilling only the first two of these criteria (such as Pluto, which had hitherto been considered a planet) is classified as a dwarf planet. According to the IAU, "planets and dwarf planets are two distinct classes of objects" – in other words, "dwarf planets" are not planets. A non-satellite body fulfilling only the first criterion is termed a small Solar System body (SSSB). An alternate proposal included dwarf planets as a subcategory of planets, but IAU members voted against this proposal. The decision was a controversial one, and has drawn both support and criticism from astronomers. Dwarf planets are capable of being geologically active, an expectation that was borne out in 2015 by the Dawn mission to Ceres and the New Horizons mission to Pluto. Planetary geologists are therefore particularly interested in them. The IAU has stated that there are eight known planets in the Solar System. It has been argued that the definition is problematic because it depends on the location of the body: if a Mars-sized... is in orbit around the Sun, Brown recounts his professional career as a faculty member at the California Institute of Technology leading a team which examined large patches of the sky in an attempt to identify and track Trans-Neptunian objects. Pluto debuted in animated cartoons and appeared in 24 Mickey Mouse films before receiving his own series in 1937. All together Pluto appeared in 89 short films between 1930 and 1953. Several of these were nominated for an Academy Award, including The Pointer (1939), Squatter's Rights (1946), Pluto's Blue Note (1947), and Mickey and the Seal (1948). One film starring him, Lend a Paw (1941), won the award in 1942. Like all of Mickey Mouse's co-stars, Pluto appears extensively in comics, first in 1931. He returned to theatrical animation in 1990 with...

IAU definition of planet A non-satellite body fulfilling only the first two of these criteria (such as Pluto, which had hitherto been considered a planet) is classified as a dwarf The International Astronomical Union (IAU) adopted in August 2006 the definition made by Uruguayan astronomers Julio Ángel Fernández and Gonzalo Tancredi which stated that, in the Solar System, a planet is a celestial body that:

The issue of a clear definition for planet came to a head in January 2005 with the discovery of the trans-Neptunian object Eris, a body more massive than the smallest then-accepted planet, Pluto. In its August 2006 response, the International Astronomical Union (IAU), which is recognised by astronomers as the international governing body responsible for resolving issues of... In modern astronomy, there are two primary conceptions of a planet. A planet can be an astronomical object that dynamically dominates its region (that is, whether it controls the fate of other smaller bodies in its vicinity) or it is defined to be in hydrostatic equilibrium (it has become gravitationally rounded and compacted). These may be characterized as the dynamical dominance definition and the geophysical definition. == Early mission proposals == Pluto has five known moons: Charon (the largest and the diameter of which is just over half that of Pluto), Styx, Nix, Kerberos, and Hydra...

c3610532e0 She is unique among all the characters in that she is stationed at the Door of Space-Time, with the specific duty of forbidding anyone to pass through it without permission. She possesses powers that are associated with time, space, the underworld, and darkness. She was one of several new characters introduced in the series' second arc (called "Black Moon" in the manga and Sailor Moon Crystal, and Sailor Moon R in the original anime adaptation), which was comparable to a retool to continue Sailor Moon past the point it was originally supposed to end. c3610532e0 Eris has one large confirmed moon, Dysnomia, and it might have another much larger moon. In February 2016, Eris's distance from the Sun was 96.3 AU (14.41 billion km; 8.95 billion mi), more than three times that of Neptune or Pluto. With the exception of long-period comets... c3610532e0

How I Killed Pluto and Why It Had It Coming Pluto and Why It Had It Coming is a 2010 memoir by Mike Brown, the American astronomer most responsible for the reclassification of Pluto from planet How I Killed Pluto and Why It Had It Coming is a 2010 memoir by Mike Brown, the American astronomer most responsible for the reclassification of Pluto from planet to dwarf planet c3610532e0

Sailor Pluto The alternate identity of Setsuna Meiou (月読 美保, Meiō Setsuna; renamed "Trista Meioh" in some English adaptations), she is a member of the Sailor Guardians, female supernatural fighters who protect the Solar System from evil. Portal of Space and Time. &quot; She was born under the sun sign Scorpio, whose modern ruling planet is Pluto, though sometimes Pluto is said to co-rule with Mars Sailor Pluto (Japanese: セーラープルート, Hepburn: Sērā Purūto) is a fictional character in the Sailor Moon manga series written by Naoko Takeuchi c3610532e0

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