Dwarf Planet Eris

By Antonia

**Name and Sign**

* Names: 2003 UB 313, Eris
* Named after Eris, the Greek goddess of discord and strife
* Sign:

**Statistics**

* Diameter: 2300-2400 km
* Density: 2.3
* Mass: 1.68x 1022
* Rotation: estimated to be about 8h
* Revolution: 557 years

**Orbit**

* Eris has an eccentric orbit, meaning the orbit is not a circle
* Eris is about can 96.7 AU from the sun when it is the farthest away (aphelion), and can be 38 AU away from the sun when it is the closest (perihelion).

**Climate**

* Temperatures: -217°C (-359°F) to -243°C (-405°F)
* similar to Pluto

**Land and Atmosphere**

* Atmosphere: frozen to the surface
* Land: Icy frozen rock
* Chemical components: methane, nitrogen, H2O
* Tholin

**Location in the Solar System**

* Located in the Kuiper belt
* About 96.7 AU (aphelion) from the sun(14.60×109 km )
* Perihelion: 38 (5.64×109 km)
* 3x farther than Pluto
* It is the most distant dwarf planet

**When discovered, by whom and where**

* Discovered by Mike Brown, Chad Trujillo, and David Rabinowitz
* In a Palomar Observatory
* Photographed in 2003
* Discovered and announced in 2005

**The Moon**

* Dysnomia
* Named after the Eris’ daughter, the demon goddess of lawlessness
* Nicknamed Gabrielle by the discovers, after a TV character

**Spacecraft**

* New Horizons
* Send to find out more about Pluto, and objects beyond Pluto
* Expected to arrive at Pluto in 2015

**Other Interesting Facts**

* It is the most distant object ever seen to orbit the sun
* Eris is the reason why Pluto is not a planet anymore
* It is 27 % more massive than Pluto
* It is the largest dwarf planet in the solar system
* Eris is smaller than earth’s moon
* The name was given, because of the discord and discussions Eris led involving Pluto being a Planet
* Some people associate it with 2012