

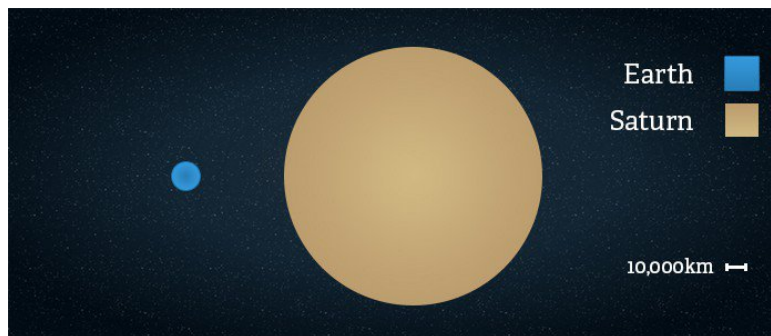
# Interesting truth about Saturn

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Saturn is a giant planet, second in the solar system after Jupiter in terms of diameter and mass. Referring to Saturn, many people will immediately think of the characteristic wide belts, always considered one of the most impressive wonders in the solar system. But in fact, Saturn also contains many interesting things.

## Can float if stocked in water

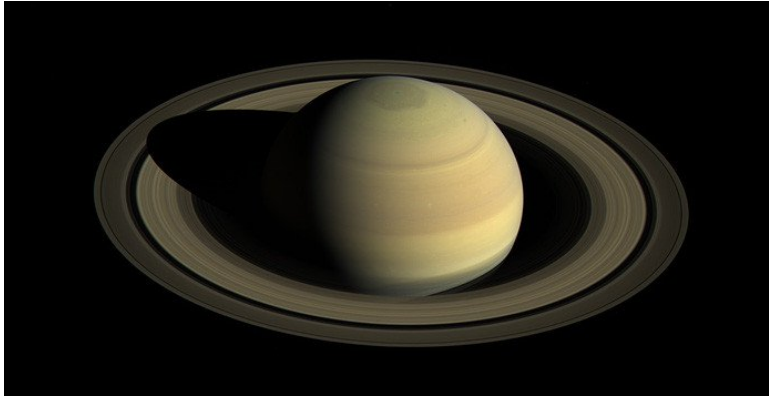
The major constituents of Saturn include hydrogen and helium. This means that we cannot stand on the surface of Saturn like standing on the surface of the Earth. The proportion of Saturn is 8 times worse than Earth.



Saturn is many times larger than Earth. (Photo: Universetoday.com).

Saturn is also the only planet in the Solar System whose density is less than the density of water, about 30% smaller. Therefore, scientists believe that Saturn can float if released in water.

## Very short days, extremely long years



Saturn is the sixth planet from the Sun. (Photo: NASA).

Saturn revolves around the axis very quickly, 1 day on this planet takes only 10 hours 32 minutes 35 seconds. However, it moves very slowly around the Sun. One year on the planet lasts 10,759 Earth days, about 29.5 years on Earth.

### **The most spherical sphere in the Solar System**



Saturn has a flat sphere.

The speed of rotation around the planet's axis is so fast that it becomes abraded and becomes a flattened sphere (flattened poles, bulging equator). The polarity of Saturn has a distance of 54,364km, while the planet's equator has a diameter of 60,268km, a difference of 10%.

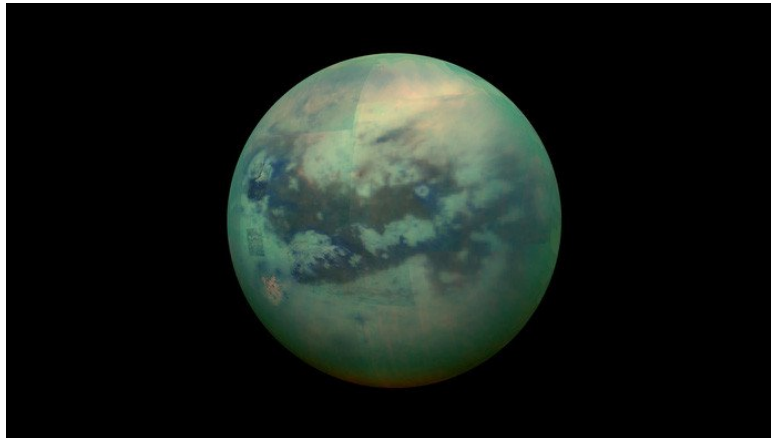
### **Windy**

Saturn is light yellow and is one of the brightest celestial bodies in the night sky when viewed from Earth. Saturn is very windy, in the equatorial area wind speed can reach 1,800km / h. At Earth, the highest wind speed is only 400km / h.

### **Number of "terrible" satellites**

Scientists have discovered at least 62 natural satellites orbiting Saturn, some of which were formed at the time of Saturn's birth.

### **Titan moon has its own atmosphere**

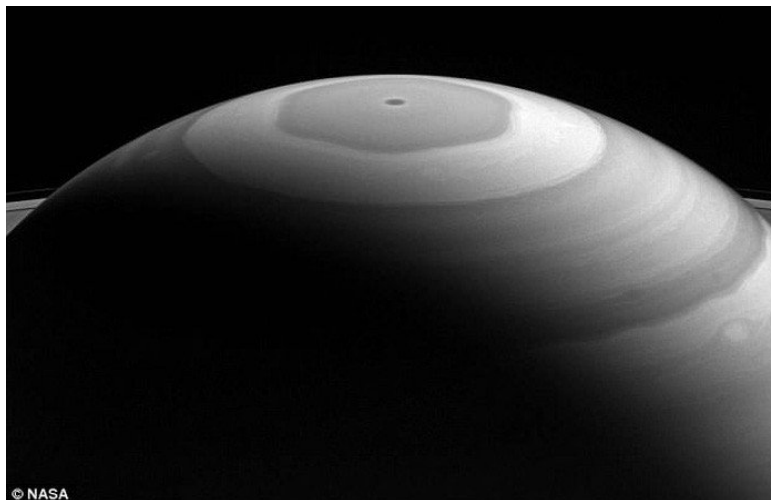


Saturn's Titan Moon. (Photo: NASA).

Titan with a diameter of 5150km is Saturn's largest moon and the second largest moon in the solar system, losing only to Jupiter's Ganymede Moon.

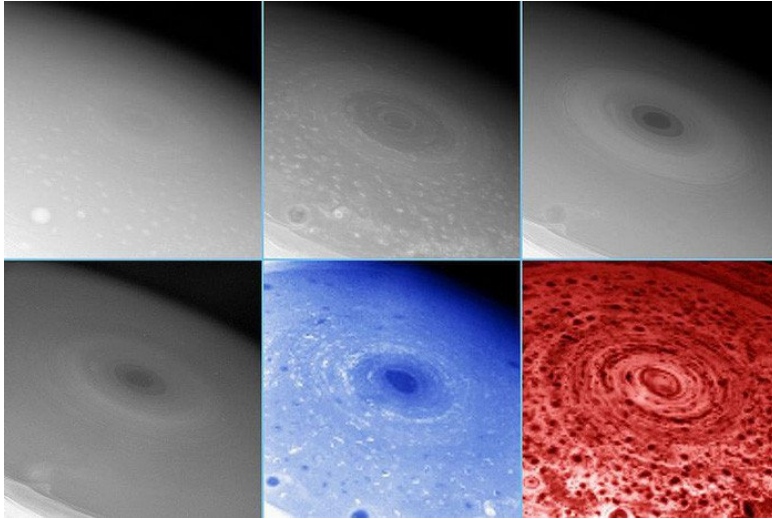
Until now, Titan is the only Moon known to have its own atmosphere. The atmosphere on Titan is 50% thicker than Earth's atmosphere, including a mixture of Nitro and Metan.

### **North pole of hexagonal vortex, South pole swirling**



Whirlwind 6 edges at the northernmost Saturn. (Photo: NASA).

At about 78 ° latitude at the North Pole of Saturn there are very special hexagonal atmospheric swirls. The straight edge of these hexagonal swirls is even larger than the Earth's diameter with a length of approximately 13,800km.



Roundabout at the southern tip of Saturn. (Photo: NASA).

Meanwhile, the southernmost region of Saturn appears a high-speed gas stream but does not form a strong atmospheric vortex or hexagonal structure like in the north pole.

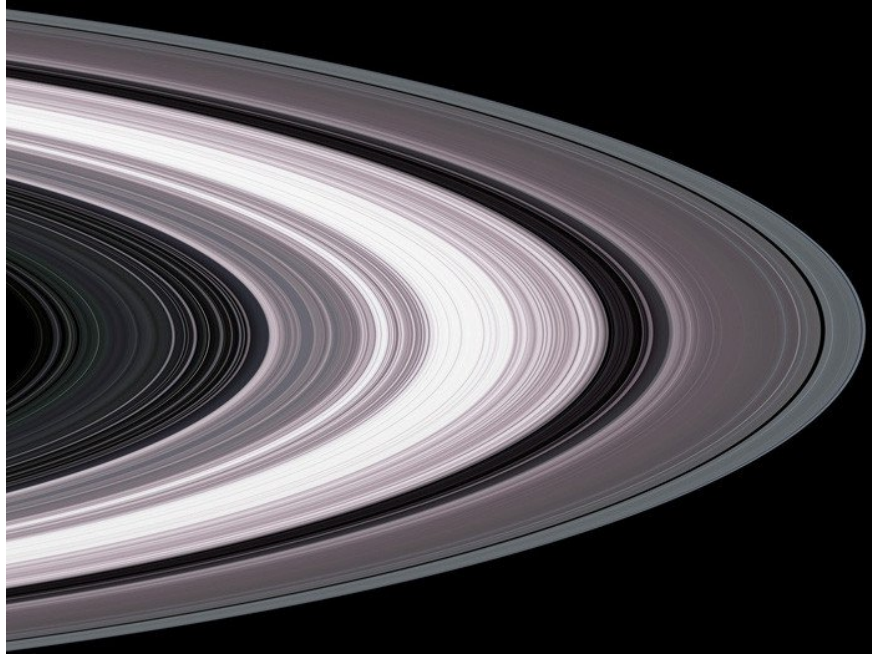
**Set by god name time**



Saturn is named after the god of time, Cronus.

Saturn's slow speed when rotating around the axis and the Sun caused the Greeks to relate to the passage of time. Therefore, they named the planet Cronus - the god of time.

**The widest belt**



The Saturn's belt system is the largest in the Solar System and is visible from the Earth. The perimeter of the perimeter on Saturn may be the distance from the Earth to the Moon, but only about 20 meters thick.

1. Explore Saturn's belt - the most beautiful wonder of the solar system

#### **4 spacecraft to visit Saturn**

Until now, only four spacecraft visited Saturn, including Pioneer 11, Voyager 1 and 2, and Cassini-Huygen.

1. Saturn, the most beautiful planet of the solar system through the Cassini spacecraft prism

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