

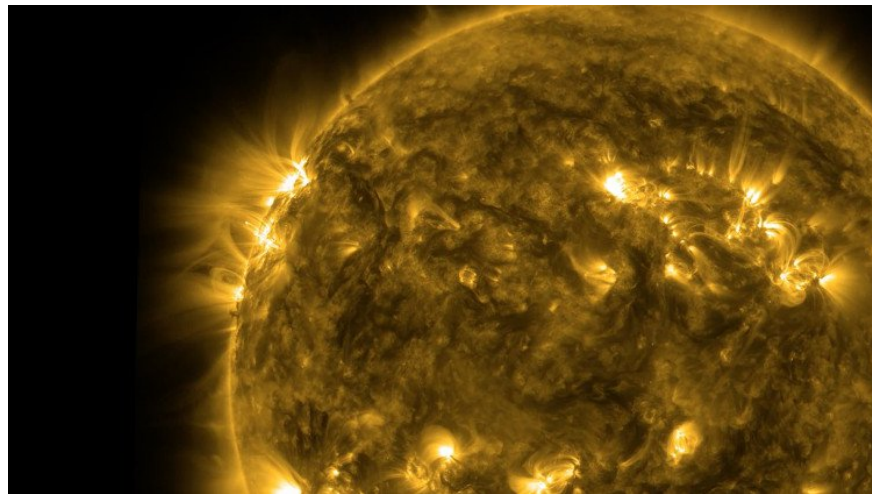
# It turns out 15 'facts' about the Earth and the universe that we still believe is completely wrong

The sun is yellow, nothing faster than light, the Moon has a dark side ... are the 'facts' that many people still believe and share over the years. But they are all inaccurate scientific information that has been rejected by science.

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1. Listen to the strange sound obtained from planets in the Solar System
2. Is there a way to destroy and destroy a cosmic black hole?
3. After 40 years of searching, scientists have discovered the type of wave that reveals the secret of the Sun's core

## The sun is yellow



The truth is that the Sun's light is white and not yellow. The cause of this confusion is due to the Earth's atmosphere. When light passes through the atmosphere, short wavelengths of light are deflected and Rayleigh scattering occurs. This is also the reason why we see the sky is blue and the sunset is red.

## The asteroid belt is extremely dangerous



In sci-fi films, we can see that in the asteroid belt area there are always blocks of stone that can plunge into spacecraft at any time.

But in fact, the asteroid belt is an extremely desolate space located between 200 million and 300 million miles away from the Sun. And the total mass of all asteroids in the belt is only 4% of the Moon's.

## **Going into the universe you will become weightless**



Most scientists agree that the universe started from about 100km above the ground. There, the Earth's atmosphere is almost gone, the vacuum environment.

But going through this point does not mean you become weightless. Even if you're on a rocket, you'll feel gravity is many times bigger than Earth. Only when you start landing will you feel weightless.

In fact, every place in the universe has gravity and everything in the universe acts gravitationally together. Flying around a planet means still suffering from its gravity, like the Moon orbiting the Earth, the Earth orbiting the Sun.

To experience the feeling of free falling in a weightless environment in the universe you have to move at a certain speed. Specifically, if you are located 400 km away from the Earth, you will have to move at a speed of 27,743 km / hour (the speed of the international space station ISS).

## **An asteroid can be destroyed by nuclear weapons**

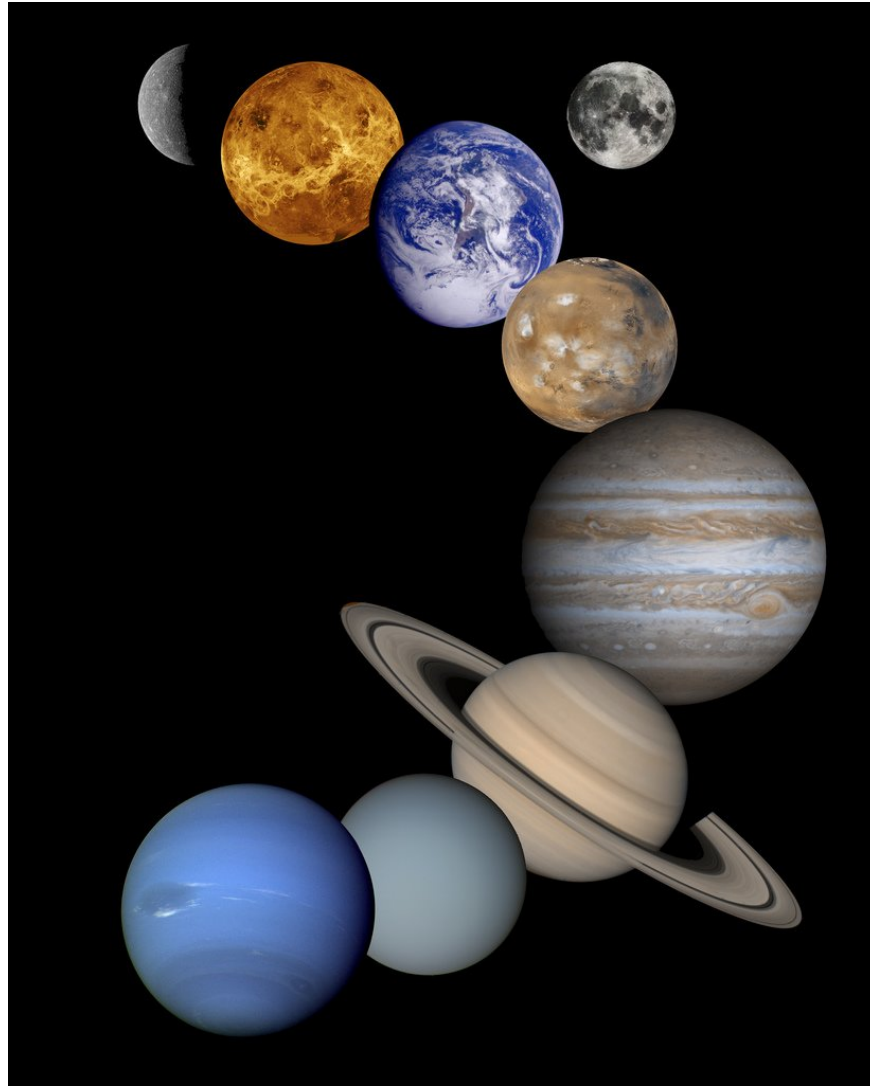


A scene from the movie "Doomsday" is about an attempt to put a nuclear bomb on an asteroid to destroy it to save the Earth.

Most asteroids are a large rock so a nuclear explosion cannot make it "evaporate" but can only push it a little further. This is not a good idea if they want to save the Earth from collisions with asteroids.

But with a cleverly designed and well-directed nuclear attack, the explosion could blow away part of the asteroid and push it away from the dangerous orbit of Earth.

## **Can predict your personality and future through astrology**



So far, no scientific research has proven that, looking at the position of the Sun, stars and the Moon at the time of your birth can predict your future.

**When calling, the signal will be transmitted to a satellite**



This is true only in the military, they often use phones that receive satellite waves to do missions in remote, remote areas. But with the phone that we still use every day, it works in a completely different way.

Our phones will emit wireless radio signals and relay data to a mobile tower on the ground. When making a call, your phone will be connected to another phone through an extensive network of underground towers and cell towers.

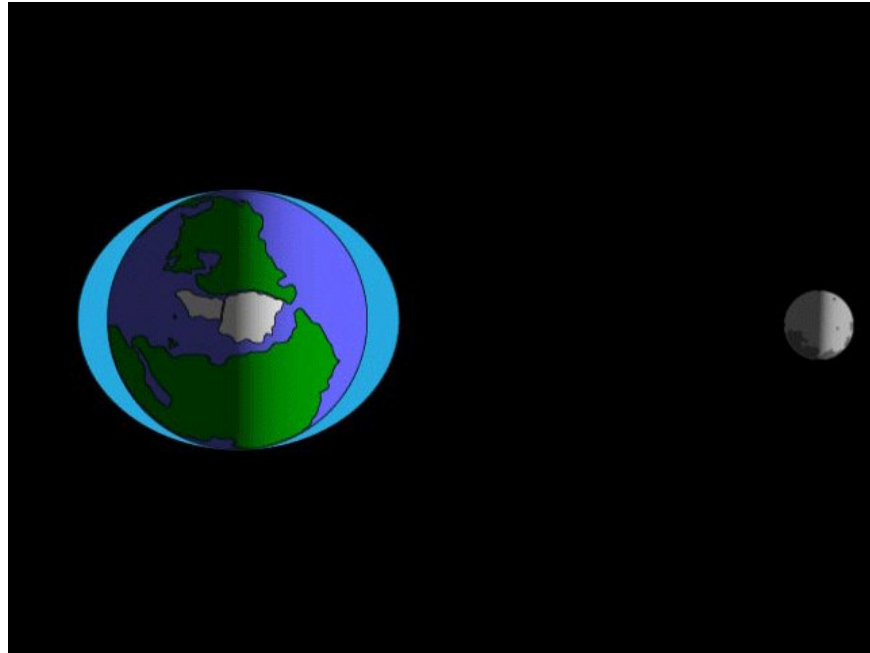
## **The Great Wall is the only artificial work visible from the universe**



If standing on the International Space Station ISS (with a height of about 400 km above the ground), you can not only see the Great Wall but also observe many other artificial works on Earth.

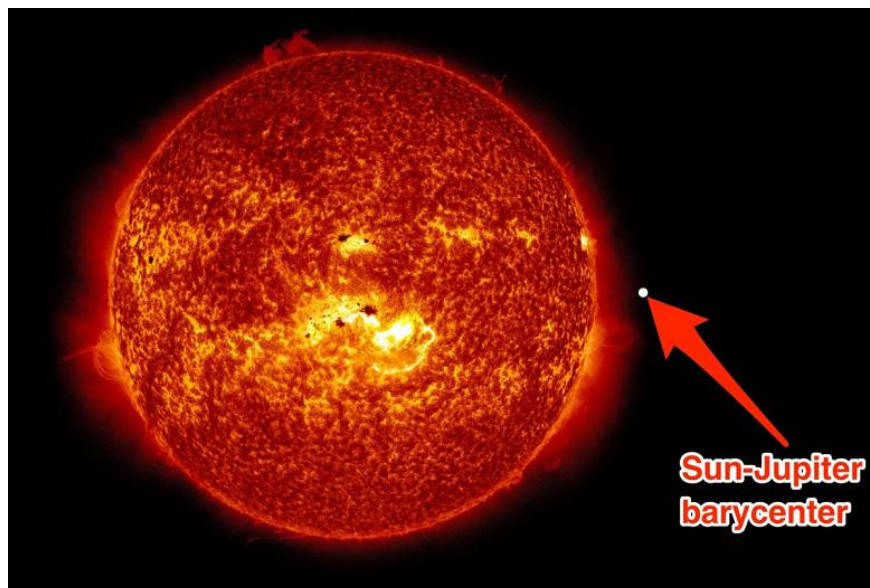
But if you stand on the Moon, you can only see the dim light of electric light in the big cities, but you can't see any works on Earth.

## **The cause of the tide phenomenon is due to the attraction of the Moon**



This is only partly due to the force that the Moon acts on seawater by only  $1 / 10,000,000$  of the Earth's gravitational pull. This force is so weak that the Moon cannot alone cause tidal phenomena. In fact, the tide is the result of the gravitational interaction between the Earth, the Sun and the Moon.

## **Jupiter orbits the Sun.**



Jupiter's center of mass lies outside the Sun.

The trajectory of an object moves around a larger object, not the perfect circle. The orbits of the two celestial bodies will have a common focal point, always located near larger objects called "centripetes".

The Earth is about  $1 / 332,949$  times the size of the Sun, and the centripete is very close to the center of the Sun. This means that we are rotating around the center of the Sun.

Jupiter is the solar system's largest planet, its mass is more than twice that of planets, moons, asteroids and other comets that center on Jupiter's ratio above and 48,000 km compared to the surface of the Sun. This means that Jupiter revolves around a point above the Sun, not around the star's center.

## **The moon has a dark side**



In fact, the entire Moon is illuminated by the Sun. But due to the time when the Moon flies along the Earth's axis, it coincides with the time when the Moon travels around its axis, so when we look at the Earth we only see one side of the Moon.

**The reason for the hot summer is that the Earth is closer to the Sun.**



In fact, the Earth is at the farthest point in the sun in the summer. The reason why the hottest summer of the year is due to the tilt of the Earth and the summer is the time when sunlight is projected most directly into the Northern Hemisphere or the Southern Hemisphere.

## **The moon is quite close to the Earth**



The picture shows the distance between the Moon and the Earth.

The distance from the Earth to the Moon is about 380,000km. If using Boeing 747 aircraft, we will need up to 17 days to fly to Cu Cu's residence.

## **Nothing can overcome the speed of light**



The exact travel speed of light when unobstructed is 299,792,458 m / sec. But if passing through different substances, the light will slow down. Specifically, the speed of light is 25% slower if it passes through water and decreases by 59% if passing through diamonds. But if passing through the same kind of material, particles such as electrons, neutrons or neutrinos can overcome the speed of light.

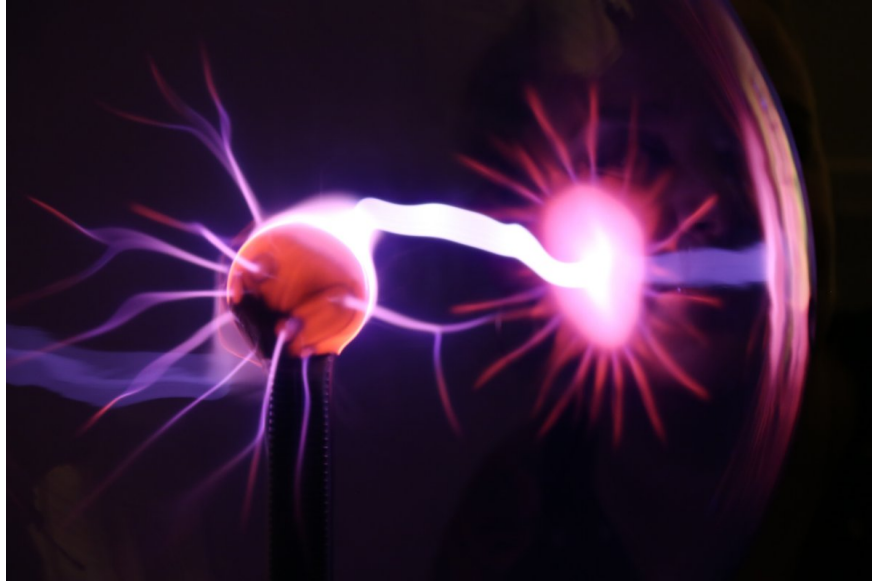
If in a vacuum, according to the Big Bang theory, the expansion of the universe has exceeded the speed of light. In addition, scientists also suggest that subatomic particles interact with each other in quantum entanglement phenomena that can move their position immediately, meaning that far beyond the speed of light in time.

## **The universe is always cold**



The temperature in the coldest place in the universe can reach more than -234 degrees Celsius and the temperature in space near the Earth and being exposed to sunlight can reach 120 degrees Celsius.

## Only 3 types of matter are solid, liquid, and gas



In fact, there are many different forms of matter in the universe, but there are four main types: solid, liquid, gas and plasma. In particular, snakes are the most common form of matter when planets are made of stone. Plasma is not inferior when it comes to many stars, including the Sun.

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