

Which planet Am I talking about?

() It's the smallest planet in our solar system. It's just a little bigger than Earth's moon. It is the closest planet to the sun, but it's actually not the hottest.

() It isn't the only planet to have rings, but it definitely has the most beautiful ones. The rings we see are made of groups of tiny ringlets (minu círculos) that surround it. They're made of chunks (pedaços) of ice and rock.

() It's a rocky, terrestrial planet. It has a solid and active surface with mountains, valleys, canyons, plains and so much more. It's a special planet because it is an ocean planet. Water covers 70% of its surface.

() Even though It isn't the closest planet to the sun, it is still the hottest. It has a thick atmosphere full of the greenhouse (estufa) gas carbon dioxide and clouds made of sulfuric acid.

() It's a cold desert world. It is half the size of Earth. It's sometimes called the Red Planet. It's red because of rusty (oxidado) iron in the ground.

() is the biggest planet in our solar system. It's similar to a star, but it never got big enough to start burning. It is covered in swirling (turbilhão) cloud stripes. It has big storms like the Great Red Spot, which has been going for hundreds of years.

() It's made of water, methane, and ammonia fluids above a small rocky center. Its atmosphere is made of hydrogen and helium like Jupiter and Saturn, but it also has methane. The methane makes it become blue.

() It's dark, cold, and very windy. It's the last of the planets in our solar system. It's more than 30 times as far from the sun as Earth is. It's very similar to Uranus.

What Is the Solar System?

Our **solar system** is made up of many parts. It's a combination of a single star and planets, moons, and other objects that orbit around it. Think of it like a neighborhood. The solar system is our neighborhood, but we are also part of a bigger galaxy called the Milky Way, just like a neighborhood might be part of a bigger city.

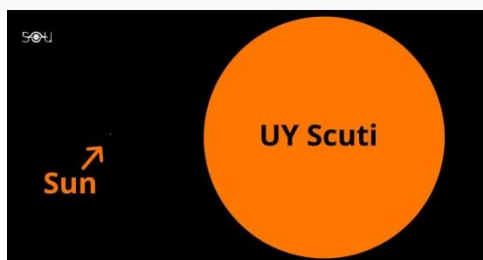
We are one of hundreds, and maybe even thousands, of solar systems in our galaxy. The sun is our star that rotates at the very center of our solar system. It's huge, hot, and very bright. Around the sun, eight planets orbit in different patterns.

The Sun and Stars

Stars are large, glowing balls (brilhantes) of burning gas. (em chamas, ardente). They come in many different sizes and colors. The sun is a medium-sized star compared to the other stars in the Milky Way. It appears a yellow color, but there are blue, orange, red, and white stars, too. A star's color is related to how hot it is. The sun gives the solar system light and heat, which both make it possible for there to be life on Earth.

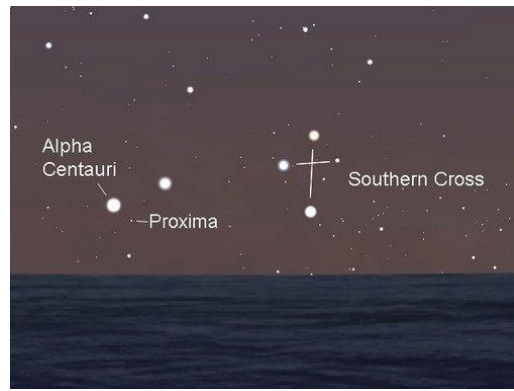
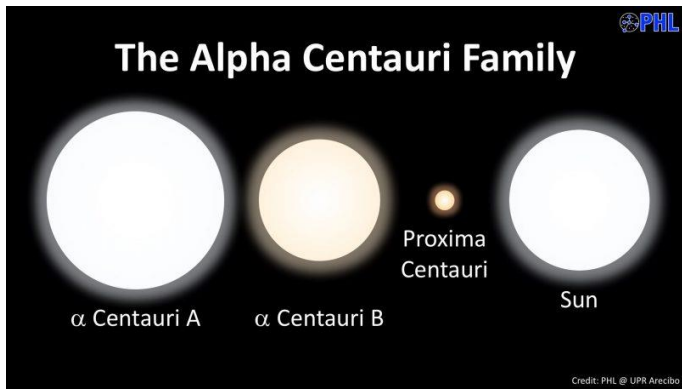
Which is the biggest star ever known?

UY Scuti was officially named the largest known star in the galaxy, surpassing (superando) previous record holders (assegurado, mantido) such as Betelgeuse, VY Canis Majoris



The closest star to the earth after the sun

Proxima Centauri is a small, low-mass [star](#) located 4.244 [light-years](#) (1.301 [pc](#)) away from the [Sun](#) in the southern [constellation](#) of [Centaurus](#) that is composed for 3 stars.



EXTRA VOCABULARY:



Asteroid



atmosphere



comet



dwarf planet



galaxy

() a nearly round object that orbits a star,

This is smaller than a planet, and is not a satellite of another object.

() A space object made of ice and dust that orbits a star and develops a long, bright tail as it nears its star.

() A layer of gases surrounding a planet, star, or moon.

() An irregularly shaped rock that orbits the Sun.

() is a huge collection of gas, dust, and billions of stars and their solar systems, all held together by gravity.