

Mercury



Venus



Earth



Mars



The Asteroid Belt



Jupiter



Saturn

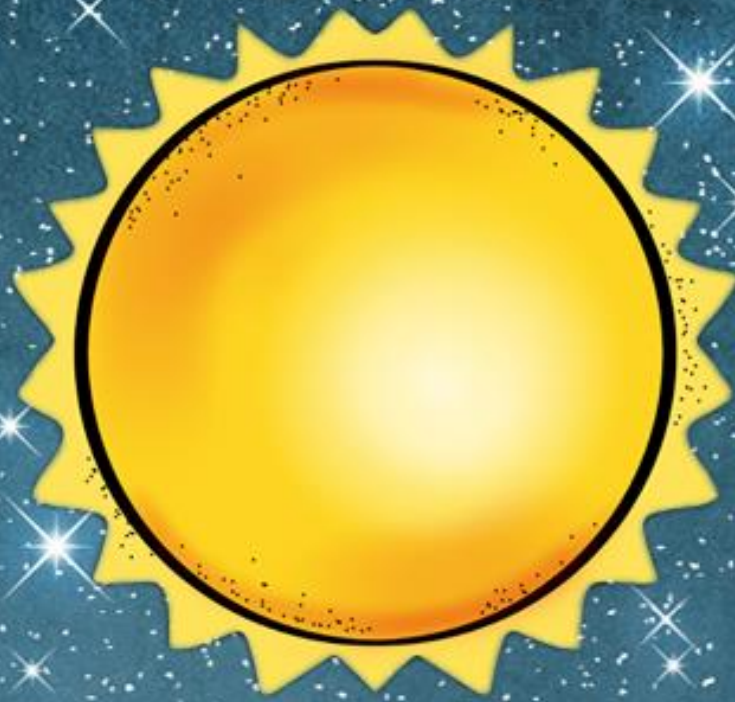


Uranus



Neptune

Solar system



Sun

- ✓ Our sun is a bright, hot ball of hydrogen and helium at the center of our solar system.
- ✓ It is 864,000 miles (1,392,000 km) in diameter
- ✓ It turns out that our sun is an average sized star.
- ✓ Our sun is 4,500,000,000 years old
- ✓ Stars like our sun burn for about nine or 10 billion years.



Mercurio

- ✓ Mercury is the smallest planet in our solar system.
- ✓ It is the closest planet to the sun, but it's actually not the hottest..
- ✓ Mercury is one of the rocky planets. It has a solid surface that is covered with craters. It has a thin atmosphere, and it doesn't have any moons.
- ✓ Mercury takes 59 Earth days to make one full rotation..
- ✓ It completes one revolution around the sun in just 88 Earth days..
- ✓ Mercury only has one sunrise every 180 Earth days.



Venus

- ✓ Even though Venus isn't the closest planet to the sun, it is still the hottest.
- ✓ It has mountains and volcanoes.
- ✓ Venus is unusual because it spins the opposite direction of Earth and most other planets.
- ✓ It takes about 243 Earth days to spin around just once.. It takes 225 Earth days for Venus to go all the way around the sun.
- ✓ It has a thick atmosphere full of the greenhouse gas carbon dioxide and clouds made of sulfuric acid. The gas traps heat and keeps Venus toasty warm. In fact, it's so hot on Venus, metals like lead would be puddles of melted liquid.



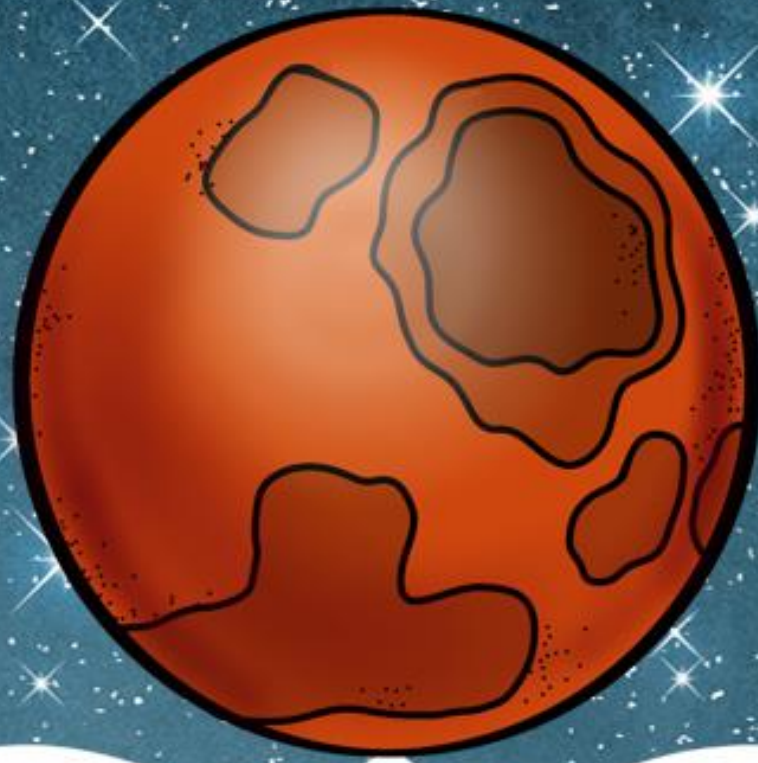
The moon

- ✓ The moon is an average of 238,855 miles (384,400 km) away. .
- ✓ the moon is not always the same distance away from Earth. The orbit is not a perfect circle..
- ✓ The Moon has "phases." We describe how the Moon looks with terms such as "New moon", "Fist Quarter", "Full Moon" and "Third Quarter".
- ✓ The Moon has no light of its own. Moonlight is sunlight bouncing off the Moon's surface.



Earth

- ✓ Earth is the only planet in our solar system we know of that supports life.
- ✓ Our home planet Earth is a rocky, terrestrial planet.
- ✓ It has a solid and active surface with mountains, valleys, canyons, plains and so much more
- ✓ Earth is special because it is an ocean planet. Water covers 70% of Earth's surface..
- ✓ Our atmosphere is made mostly of nitrogen and has plenty of oxygen for us to breathe.
- ✓ A day on Earth lasts a little under 24 hours.
- ✓ One year on Earth lasts 365.25 days. That 0.25 extra means every four years we need to add one day to our calendar, We call it a leap day (in a leap year).



Mars

- ✓ Mars is a cold desert world.
- ✓ Mars is sometimes called the Red Planet. It's red because of rusty iron in the ground.
- ✓ Mars has seasons, polar ice caps, volcanoes, canyons, and weather. It has a very thin atmosphere made of carbon dioxide, nitrogen, and argon.
- ✓ Mars has two moons. Their name are Phobos and Deimos
- ✓ One day on Mars lasts 24.6 hours.
- ✓ One year on Mars is 687 Earth days.



The Asteroid Belt

- ✓ An asteroid is a bit of rock.
- ✓ Most of the asteroids in our solar system can be found orbiting the Sun between the orbits of Mars and Jupiter.
- ✓ Sometimes, the asteroids run into one another. When this happens, the asteroids may break up into smaller asteroids.
- ✓ The belt probably contains at least 40,000 asteroids that are more than 0.5 miles across.
- ✓ If an asteroid is captured by the gravitational pull of a planet, the asteroid can be pulled out of the belt and go into orbit as a moon around the planet that pulled on it.



Jupiter

- ✓ Jupiter is the biggest planet in our solar system..
- ✓ It is covered in swirling cloud stripes
- ✓ It has big storms like the Great Red Spot, which has been going for hundreds of years.
- ✓ Jupiter is a gas giant and doesn't have a solid surface, but it may have a solid inner core about the size of Earth.
- ✓ Jupiter also has rings, but they're too faint to see very well.
- ✓ One day on Jupiter goes by in just 10 hours. One year on Jupiter is the same as 11.8 Earth years.
- ✓ Jupiter has 50 confirmed moons. And 17 unconfirmed moons.



Saturn

- ✓ Saturn isn't the only planet to have rings. They're made of chunks of ice and rock.
- ✓ Saturn is mostly a ball of hydrogen and helium.
- ✓ One day on Saturn lasts 10.7 hrs. One year on Saturn is the same as 29.5 Earth years.
- ✓ Saturn has 53 moons, it also has 9 unconfirmed moons.



Urano

- ✓ Uranus is 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 Uranus blue.
- ✓ Uranus also has faint rings. The inner rings are narrow and dark. The outer rings are brightly colored and easier to see.
- ✓ Uranus rotates in the opposite direction as most other planets. Uranus rotates on its side.
- ✓ One day on Uranus lasts a little over 17 hours.
- ✓ One year on Uranus is the same as 84 years on Earth.
- ✓ Uranus was discovered in 1781 by William Herschel in Great Britain.



Neptune

- ✓ Neptune is 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.
- ✓ Neptune is very similar to Uranus. It's made of a thick soup of water, ammonia, and methane over an Earth-sized solid center.
- ✓ Its atmosphere is made of hydrogen, helium, and methane. The methane gives Neptune the same blue color as Uranus.
- ✓ Neptune has six rings, but they're very hard to see.
- ✓ One day on Neptune goes by in 16 hours.
- ✓ Neptune has such a long journey around the sun it takes 164 Earth years to go around once.