



Let's
Learn
ABOUT SPACE

LET'S GO ON A SPACE ADVENTURE!



MILLION WORD GAP PROJECT

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#HOPE-learn



Explaining big ideas like space, the universe, the moon, and seasons to a small child might seem too complicated, but it is actually really important!

Children are naturally curious. They ask "why" and "how" all the time. By introducing concepts like the moon or the seasons, you're helping them to learn about the world around them and satisfying their curiosity.

Even though they might not fully understand these big ideas yet, learning about them helps them to build a foundation for later learning. Just like learning simple words or numbers, understanding things like the sun or the moon helps them connect ideas together as they grow.

Children notice things like the moon and stars in the sky. When you talk to them about what they are able to see or explain why the moon changes shape, it helps them make sense of their world. It turns everyday observations into exciting discoveries!

Talking about space and the universe may spark imagination. They might start dreaming up fun ideas about stars, planets, or space adventures. This kind of thinking is great for developing creativity and problem-solving skills.

Explaining the phases of the moon or how seasons change can make nature more exciting for them. You can go outside together and look for the moon and the stars. These experiences can be fun and help kids connect with the natural world.

Learning is fun, reading is educational, and it helps children to start understanding how the world works. It gives them a sense of wonder and excitement about the world they live in!

The universe is enormous and it is full of
stars and galaxies!

Can you think of other words for
very, very big?

Gigantic

Mammoth

Immense

Tremendous

Massive

There are billions of galaxies in the
universe — maybe even more!

Each galaxy can have billions or even
trillions of stars.

That is a number that is impossible to
imagine!

A scientist who studies the universe is
called an astronomer.

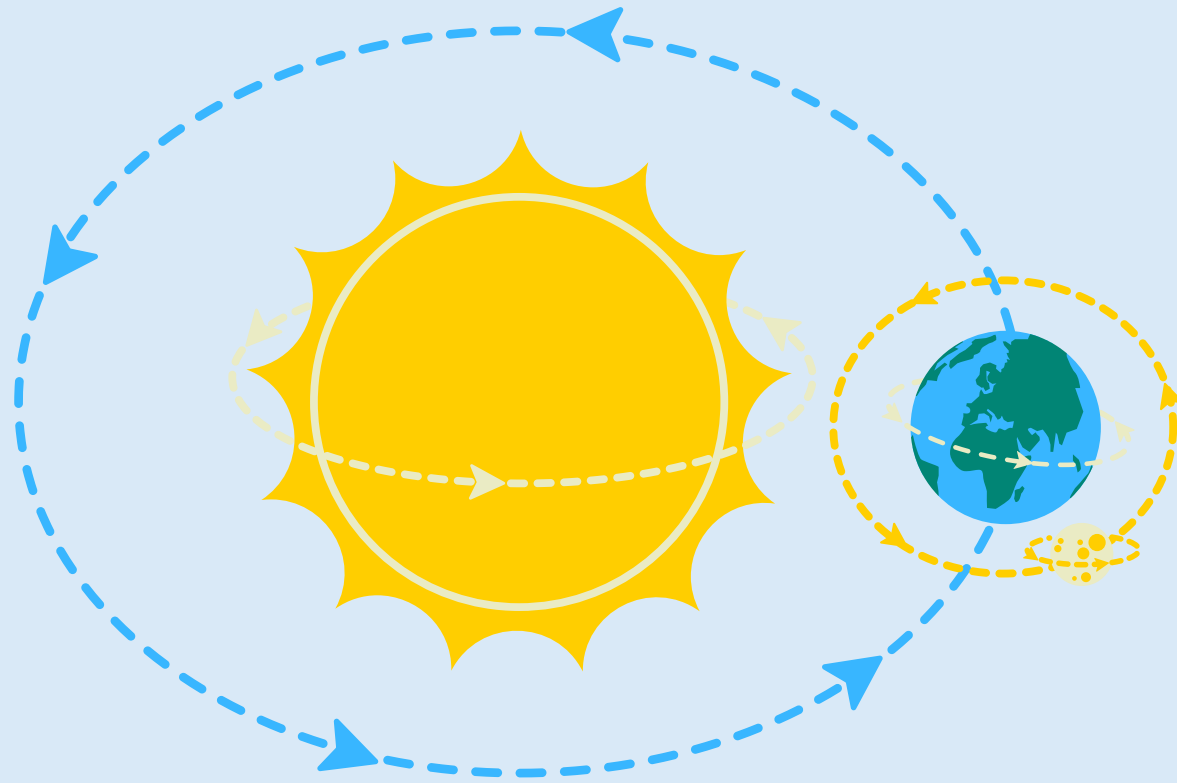


Each galaxy is made up of lots and lots of things!

1. Stars – Bright, twinkling dots in the sky, like our Sun.
2. Planets – Big round things like Earth that go around stars.



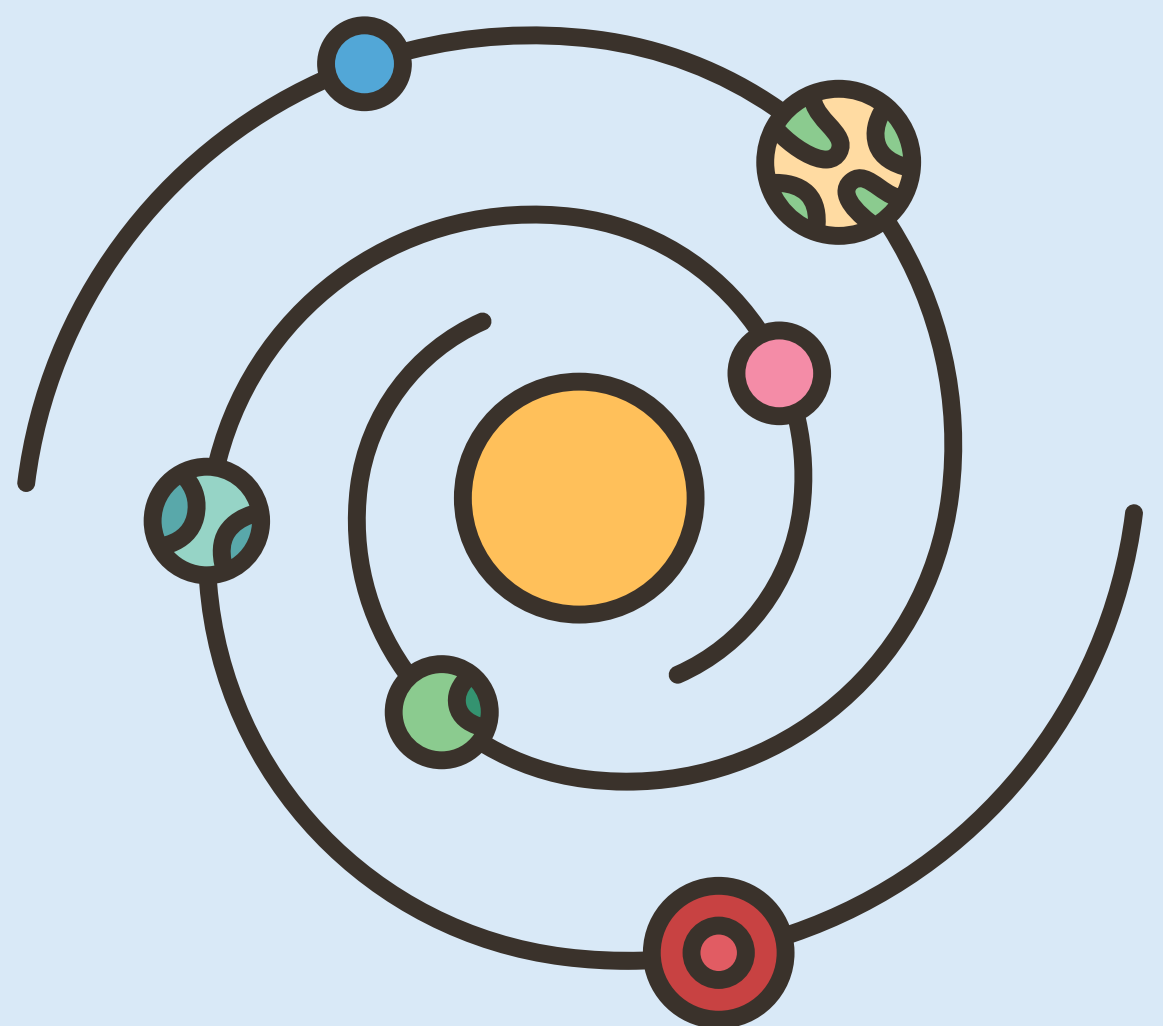
3. Moons – Little round things that go around planets.



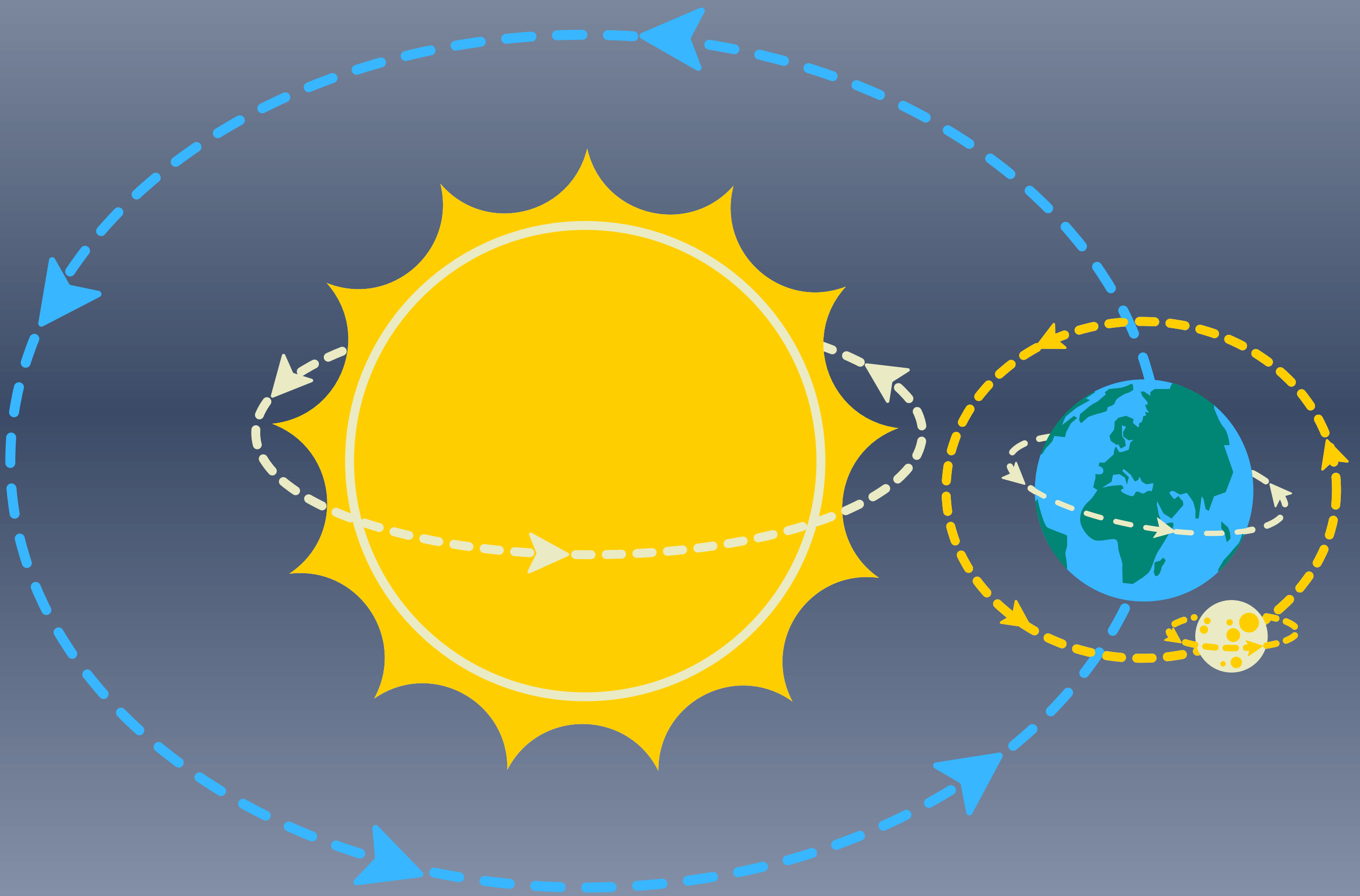
4. Dust and Gas – Tiny, tiny bits of stuff floating around, kind of like space "clouds."



All of these things live together in a galaxy, kind of like how we live in a big neighborhood with houses, trees, and cars!

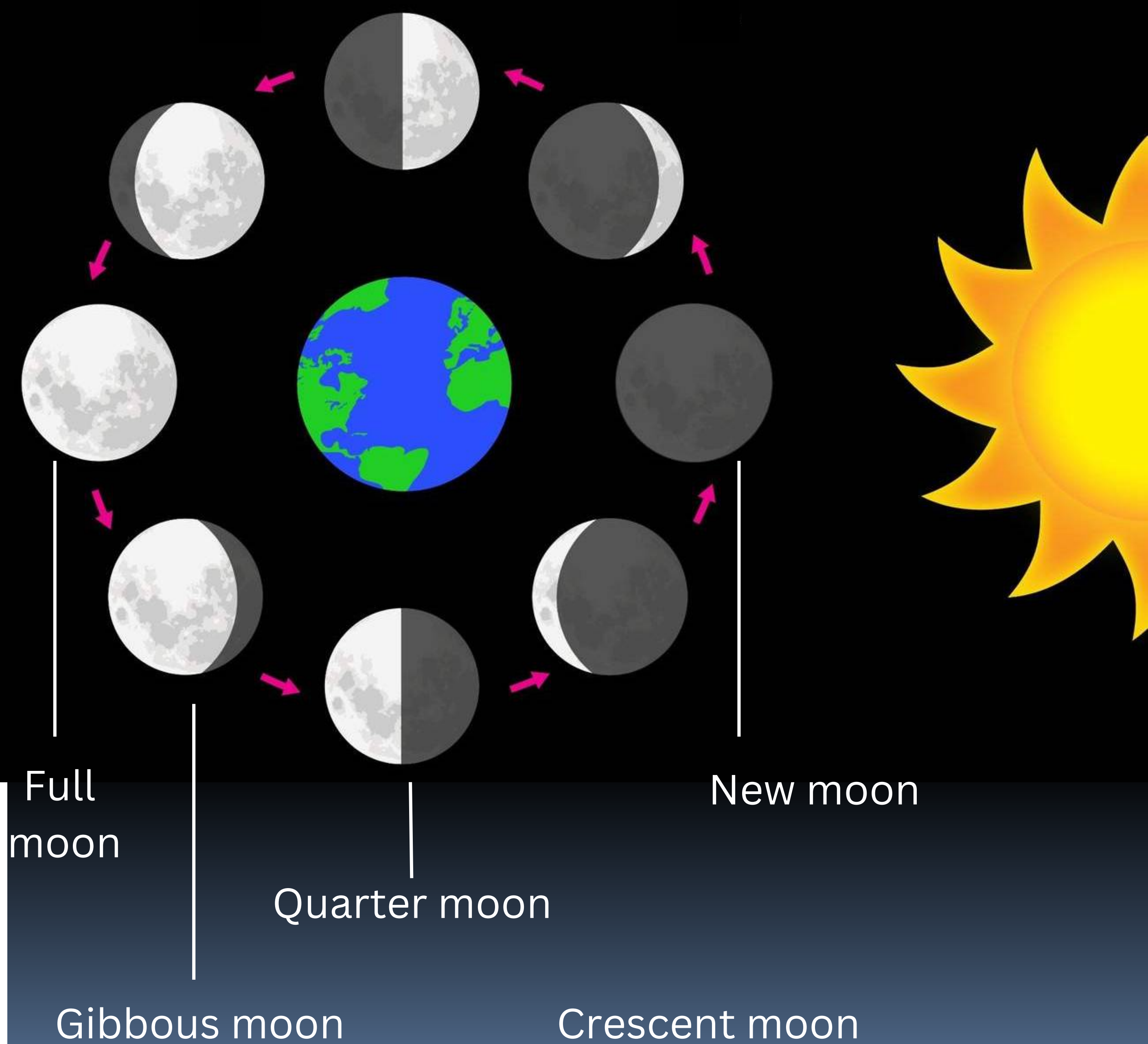


It takes the earth 365 days to
travel around the sun.
Which is why 1 year is 365 days.



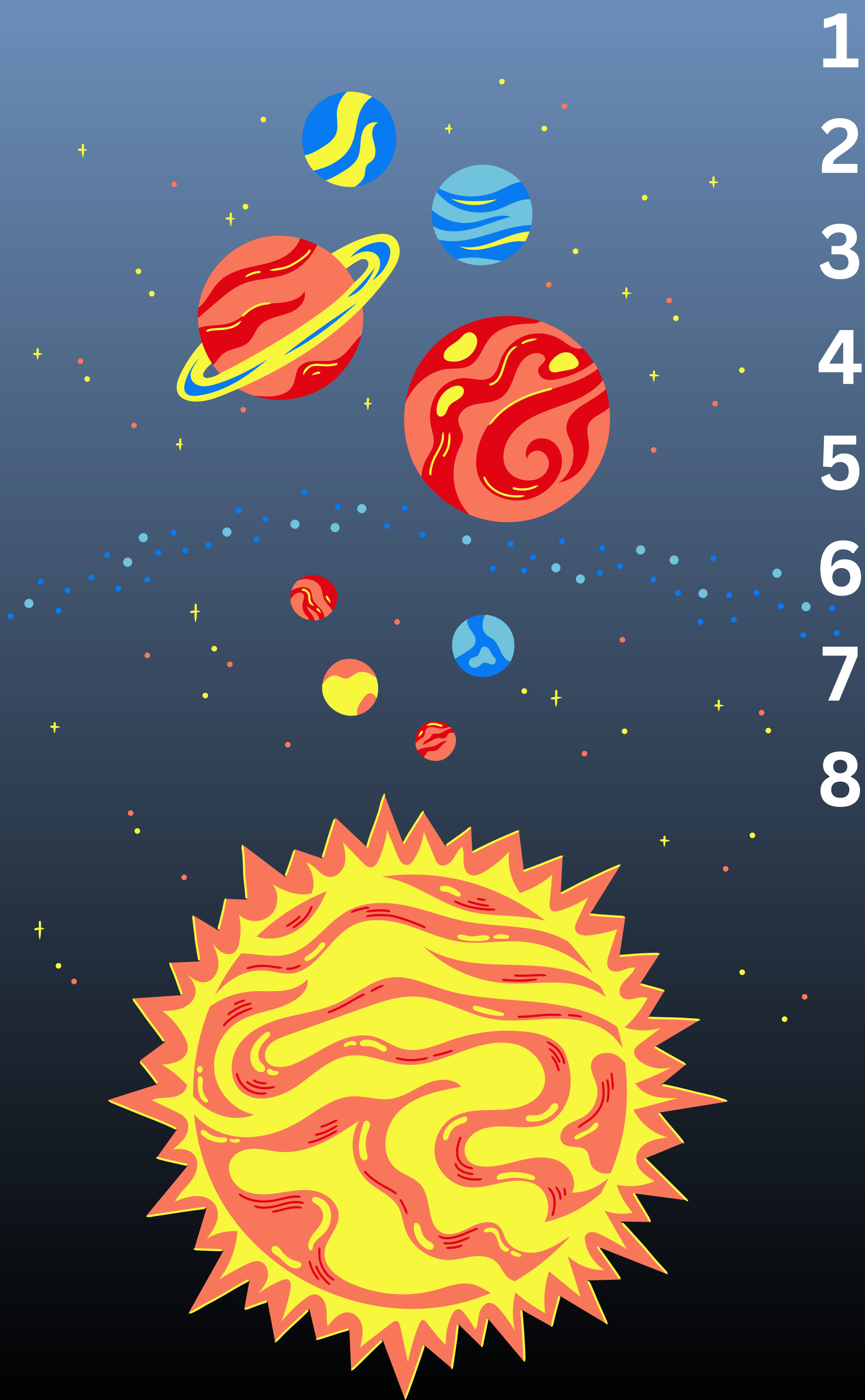
It takes the moon 28 days to
travel around the earth.

These are the phases of the moon as it travels around earth.



Can you see the sun?

How many planets can you
count?



1

2

3

4

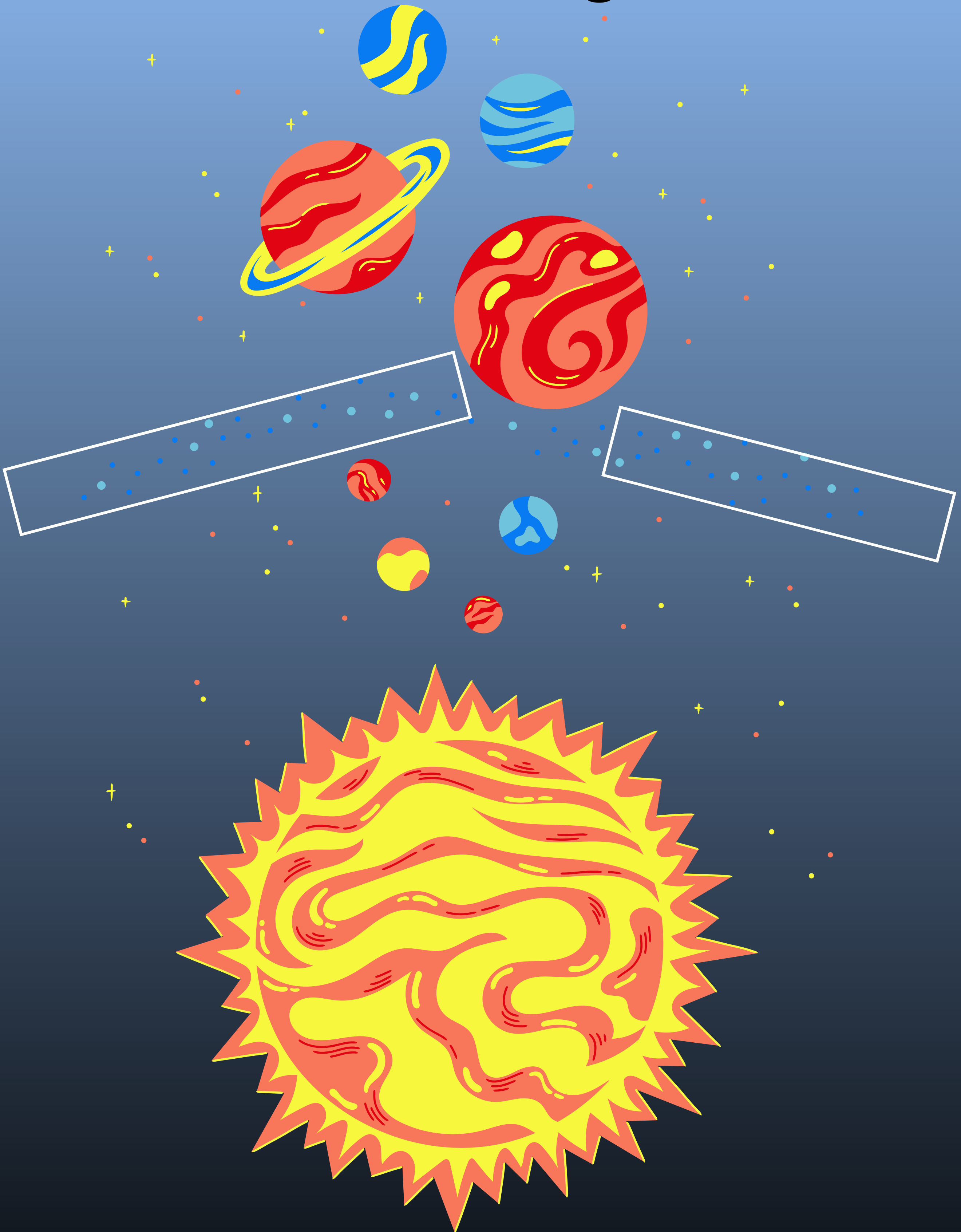
5

6

7

8

What is inside the white rectangles?



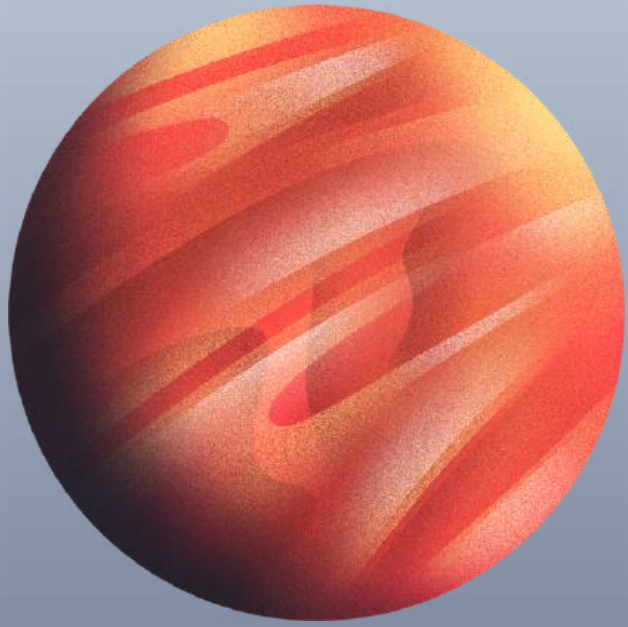
**This is the asteroid belt. It is filled
with lots and lots of space rocks.**

The asteroid belt separates the planets that are closer to the sun from the planets that are further away from the sun.

How many planets can you count on either side of the asteroid belt?



The inner ring planets are closer to the sun.



Mercury



Venus



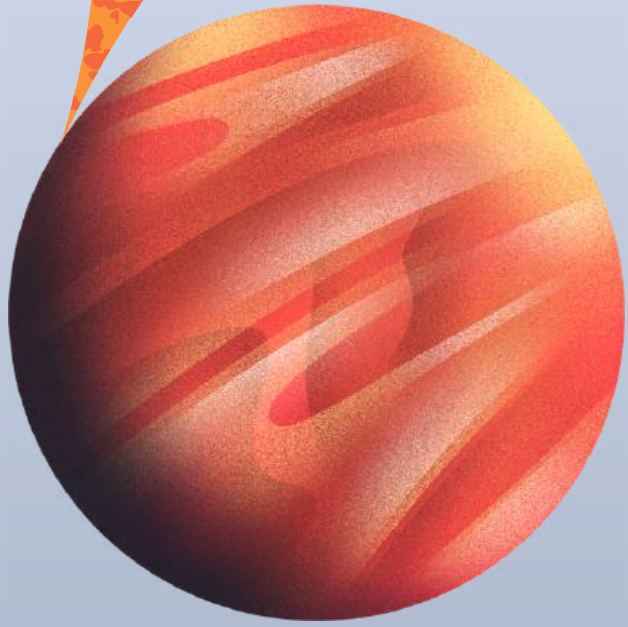
Earth



Mars

*The **red** planet*

Which is the hottest planet?



Mercury



Venus

Yes!

Even though Mercury is closer to the Sun, the gasses on Venus trap the heat and make it the hottest planet.



Earth



Mars

Which the smallest
planet?

Mercury

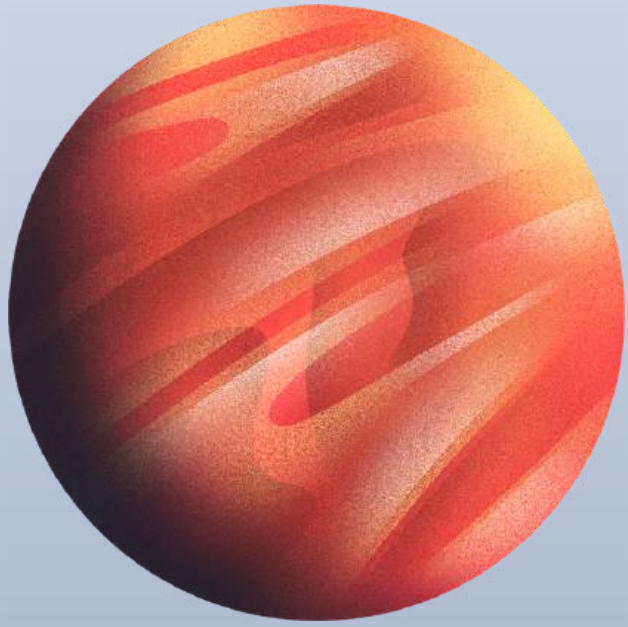
Yes!

Venus

Earth

Mars

Which is the biggest planet in inner ring?



Mercury



Venus



Earth

Yes!

The planets in the inner ring are much smaller than the planets in the outer ring.

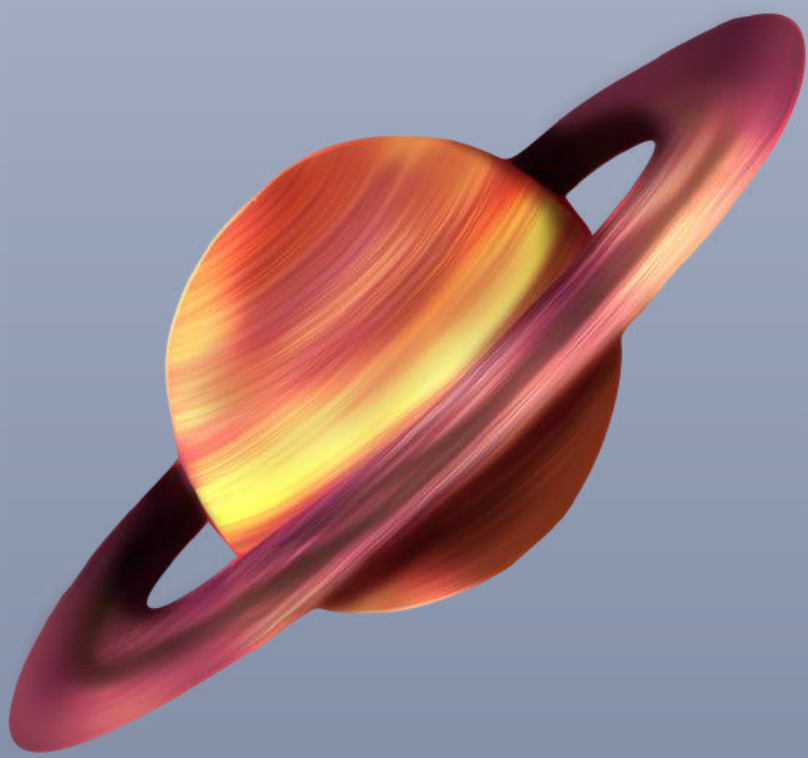


Mars

The outer ring planets are further away from the sun.



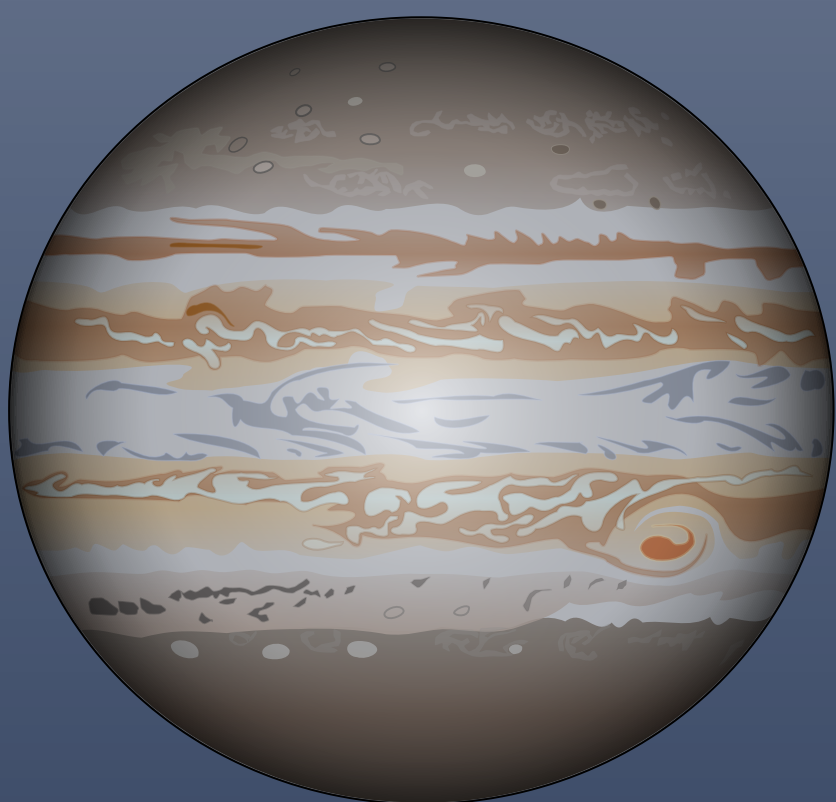
Jupiter



Saturn

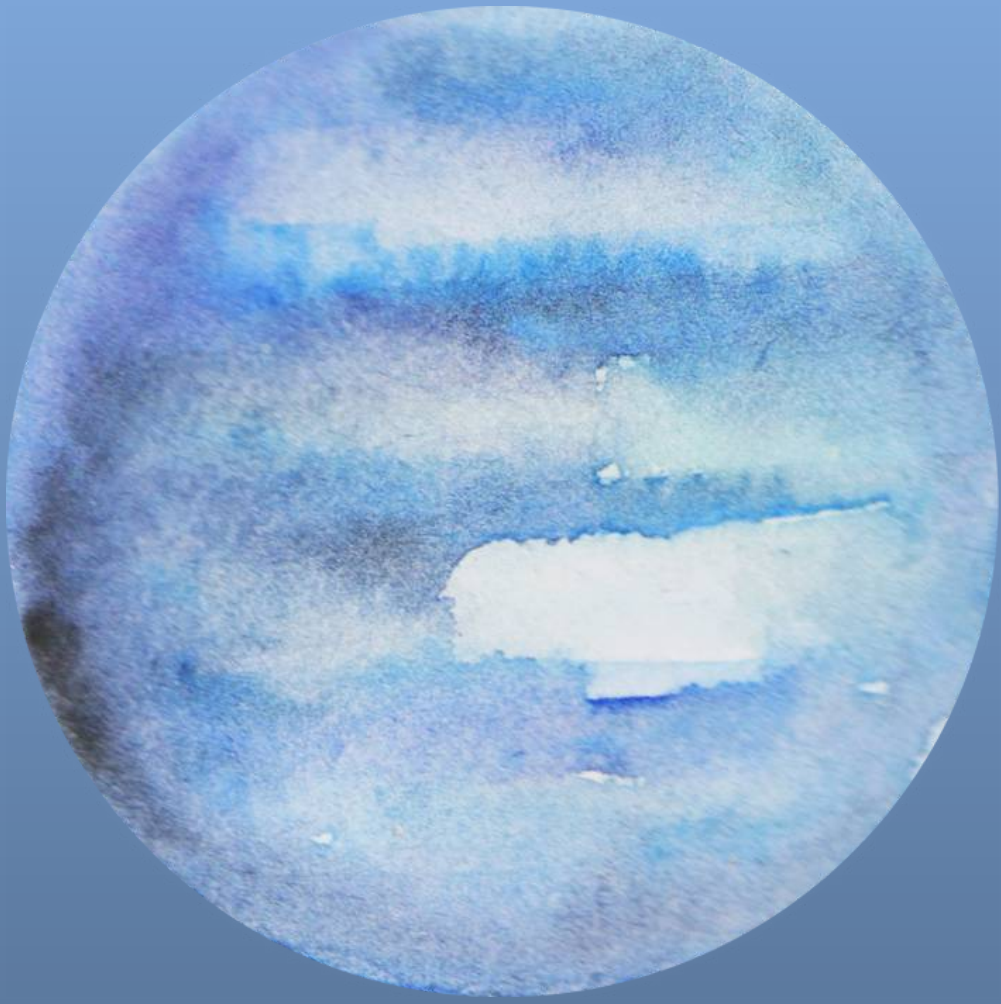


Uranus



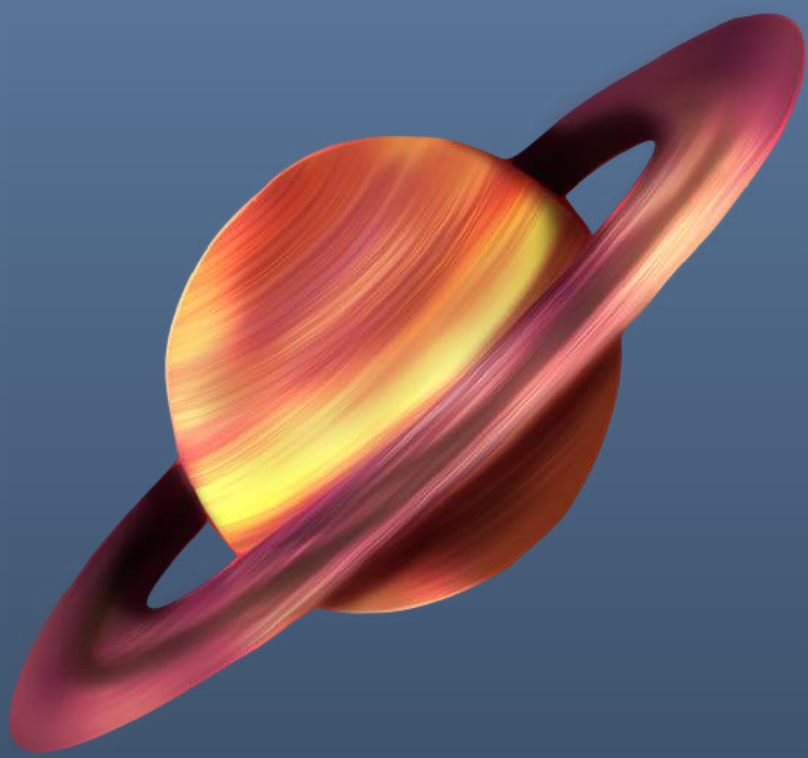
Neptune

Which is the biggest planet?



Jupitor Yes!

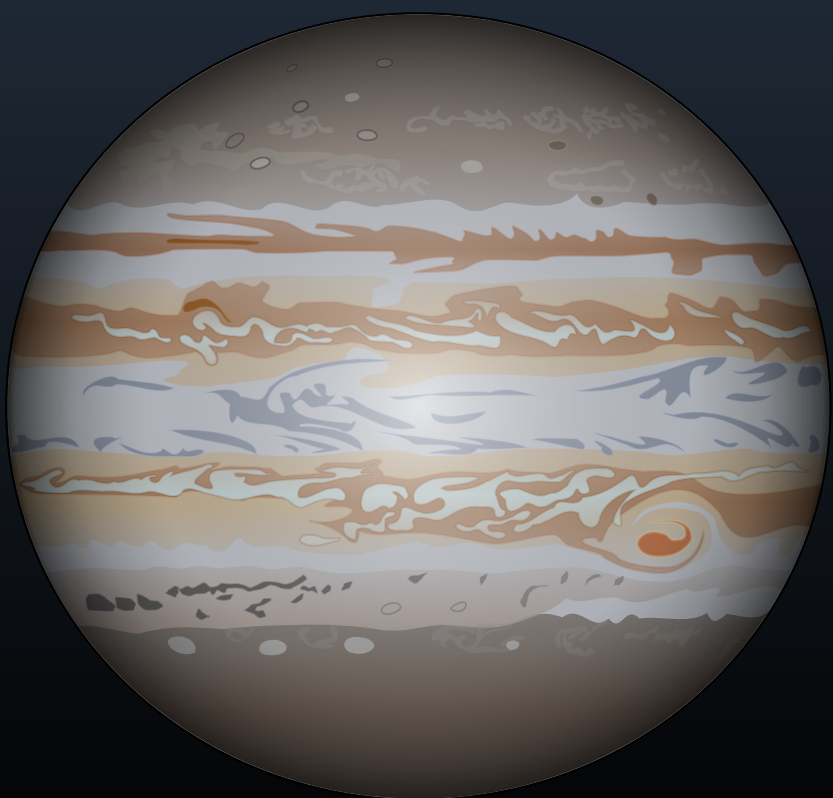
Jupitor is the
biggest of all the
planets.



Saturn



Uranus



Neptune

Astronaut



Space rocket



Meteor

Once an asteroid enters the Earth's atmosphere, it is called a meteor. It is called a meteorite after it hits the ground.



We can learn about the universe
using telescopes.



Scientists who study the universe
are called astronomers.



In a small town in South Africa, called Sutherland, there is a gigantic telescope called the Southern African Large Telescope.

Can you spot Sutherland on the map?

Look for 

