



Lost in space

Lesson 1

Vocabulary

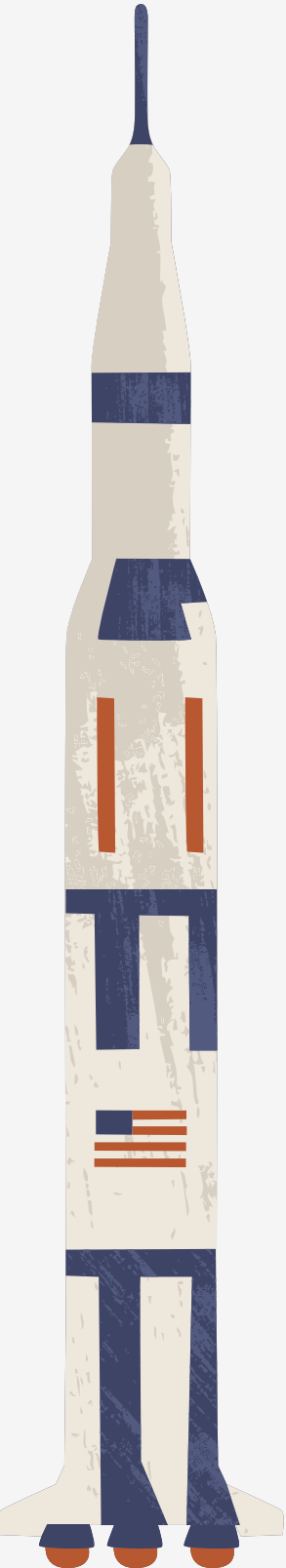
TV



Discuss the questions



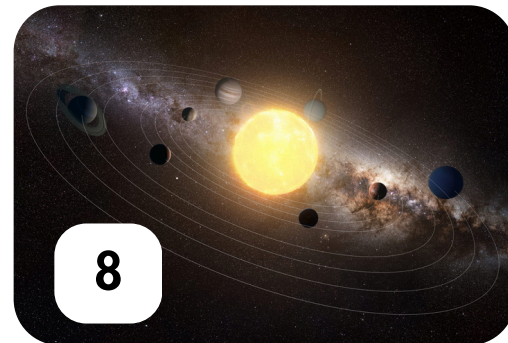
- DO YOU LIKE SPACE? WHY / WHY NOT?
- WHAT DO YOU KNOW ABOUT SPACE?
- WHAT OBJECTS CAN YOU FIND IN SPACE?
- DO YOU KNOW ANY PLANET NAMES?





Match the words with the pictures

- | | | | |
|-------------|-------------|----------------|-----------------|
| 1 moon | 4 galaxy | 7 Milky Way | 10 asteroid |
| 2 astronaut | 5 comet | 8 solar system | 11 telescope |
| 3 spaceship | 6 satellite | 9 alien | 12 dwarf planet |





Unscramble the words and answer the questions

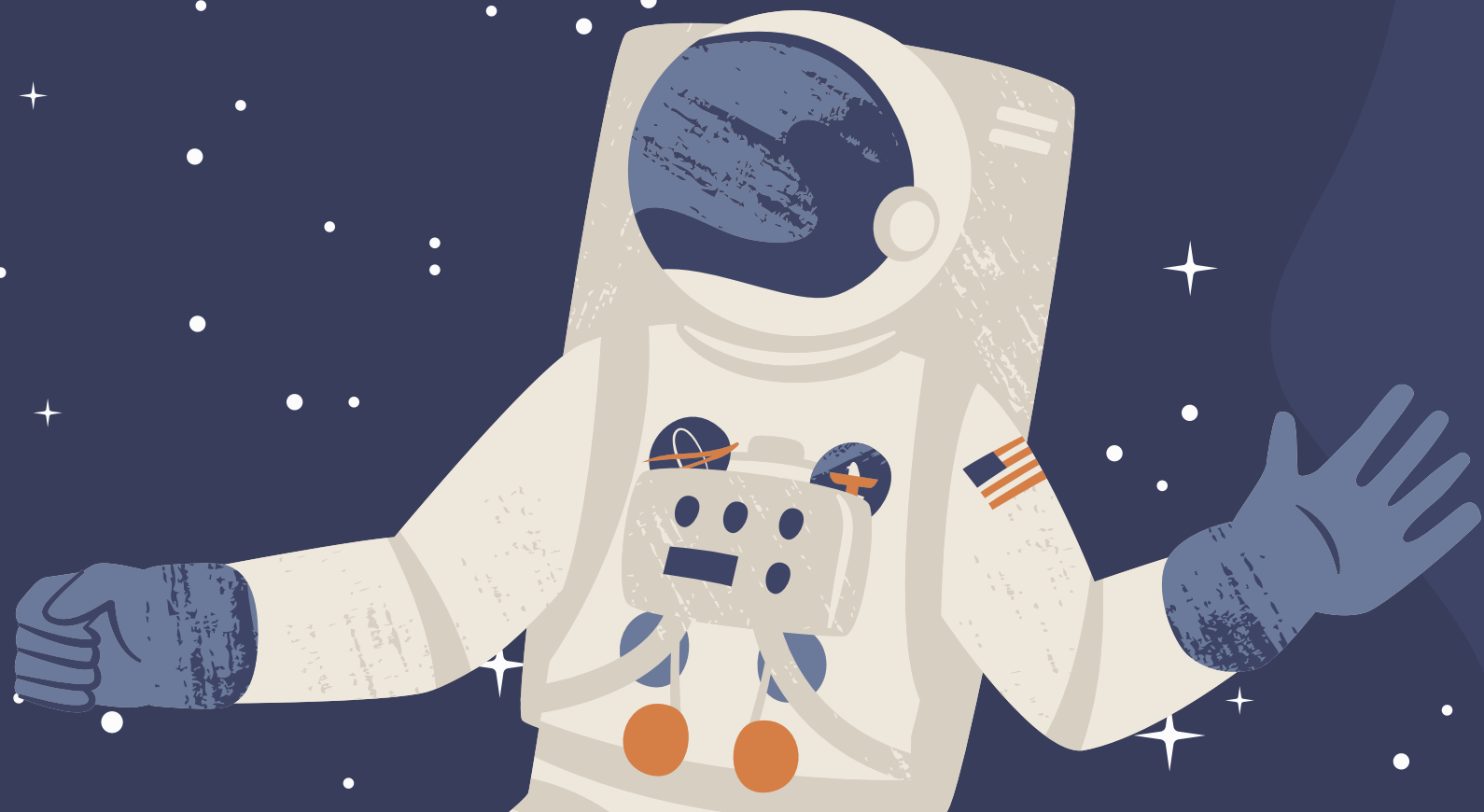


- WOULD YOU LIKE TO TRAVEL TO THE **OOMN** SOMEDAY? WHY OR WHY NOT?
- WOULD YOU EVER WANT TO BE AN **AASRNTOUT**? WHAT KIND OF TRAINING DO YOU THINK THEY NEED?
- IF YOU COULD DESIGN A **SPHAESCI**P TO TRAVEL ANYWHERE IN SPACE, WHAT WOULD IT LOOK LIKE?
- DO YOU THINK THERE ARE OTHER **GEALXISA** WITH PLANETS LIKE EARTH?
- WHAT IS A **SLTELIATE**? CAN YOU NAME SOME THINGS THAT THEY HELP US DO?
- DO YOU BELIEVE THAT **SAIELN** EXIST? WHY OR WHY NOT?



Unscramble the words and say if you agree with the statements

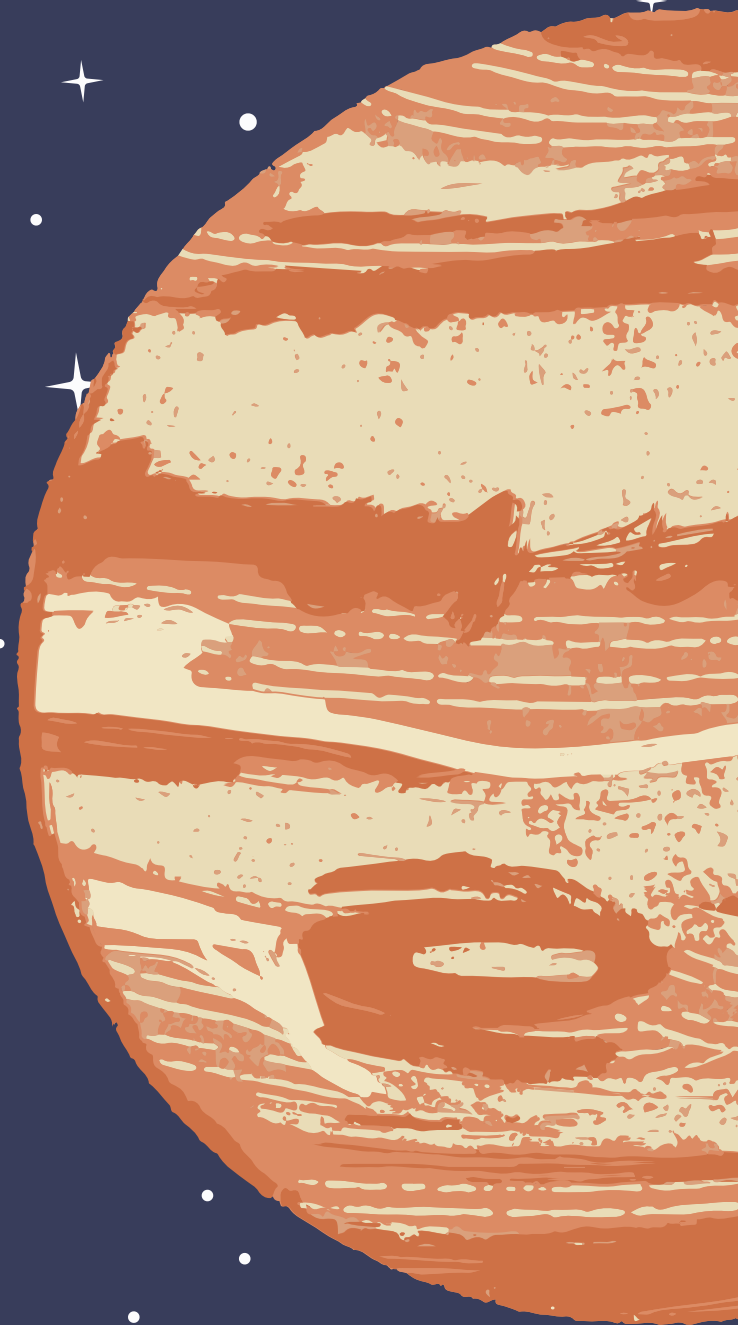
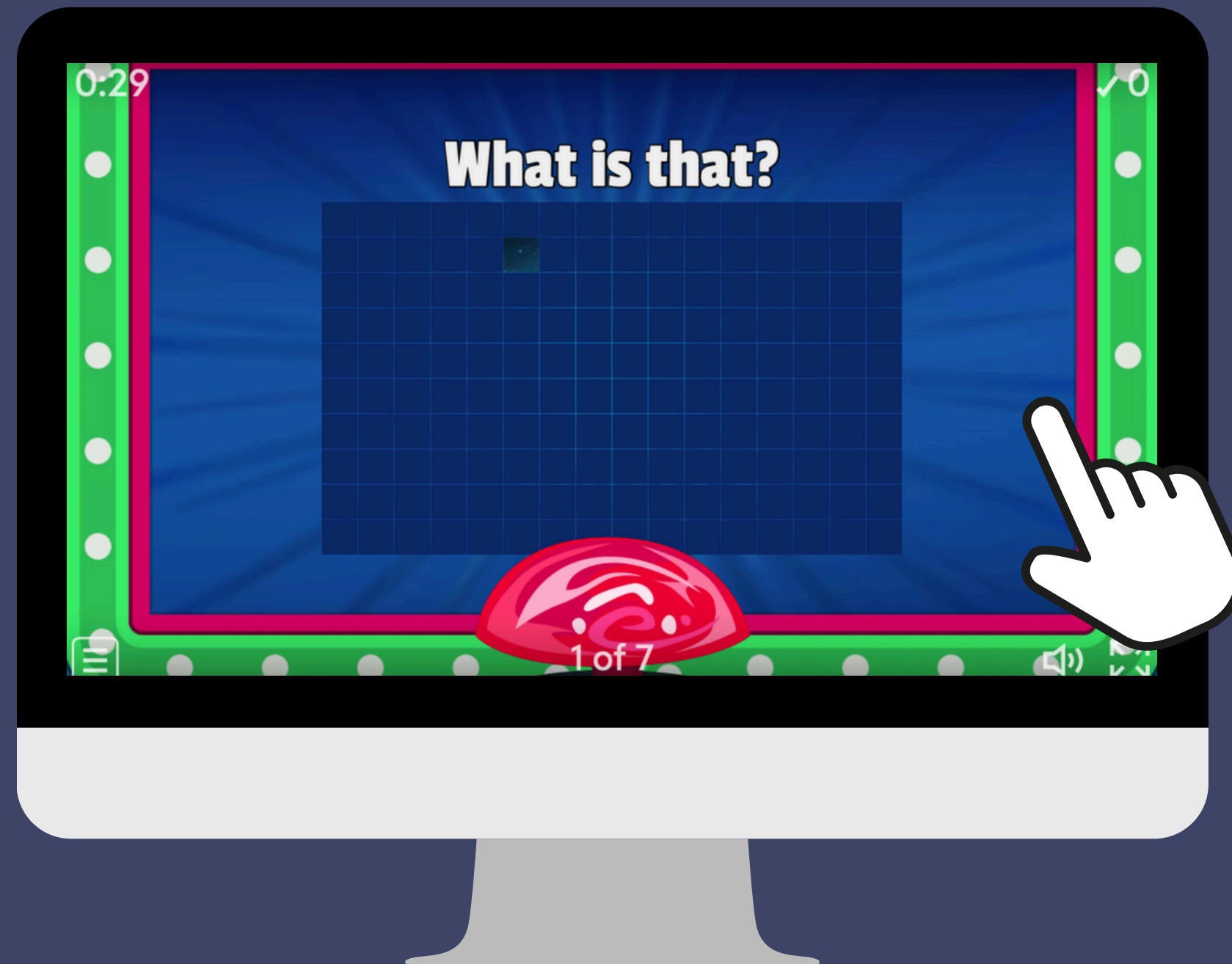
- Coesmt are more dangerous than atresoids.
- One day, people will live on a darwf plnaet.
- There is life somewhere else in our slaor seytsm.
- Every school should have a teelpscpe for students.
- Learning about the Mkliy aWy is more interesting than learning about history.



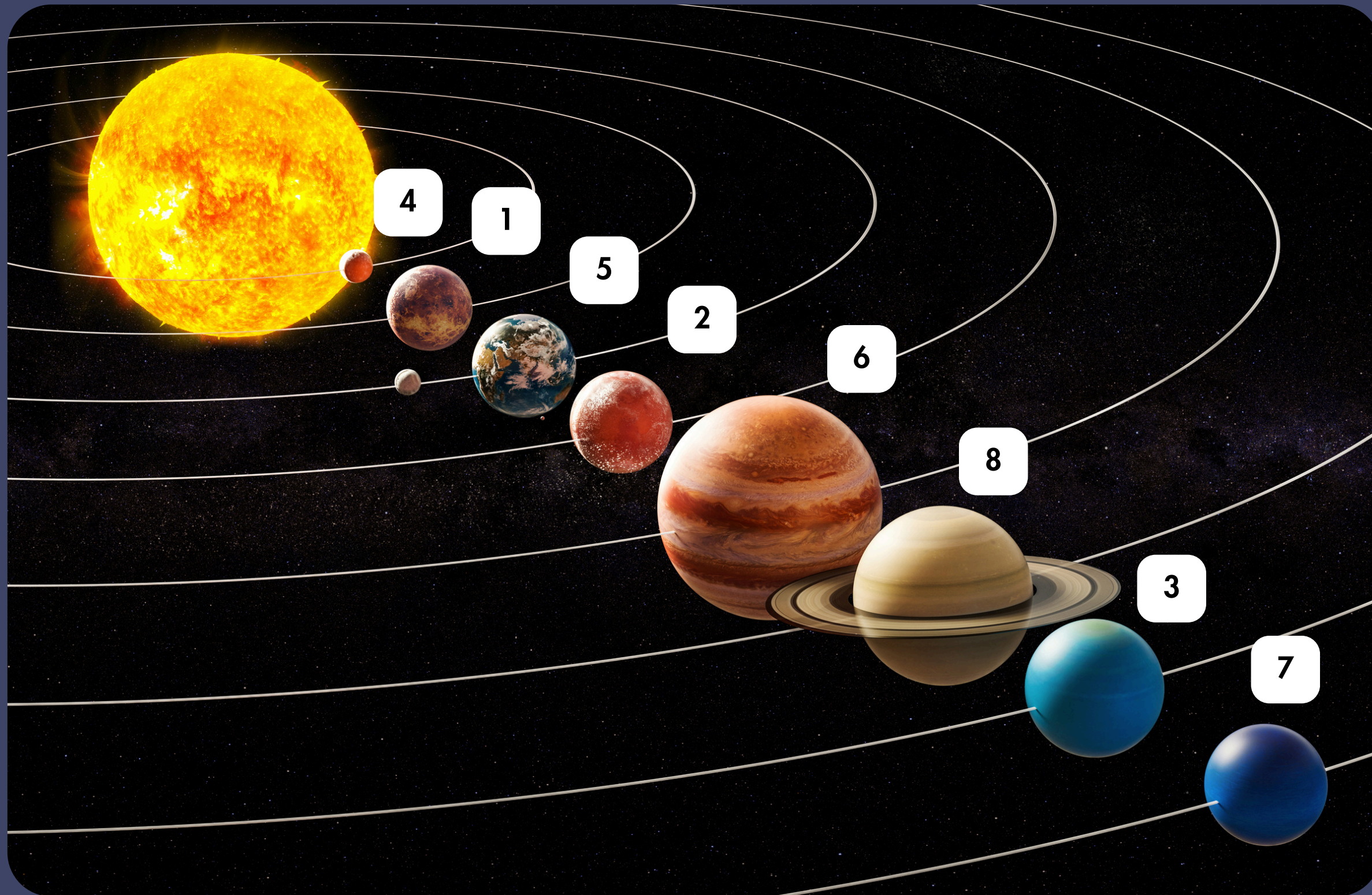


Play!

Guess the pictures



Match the planets with their names

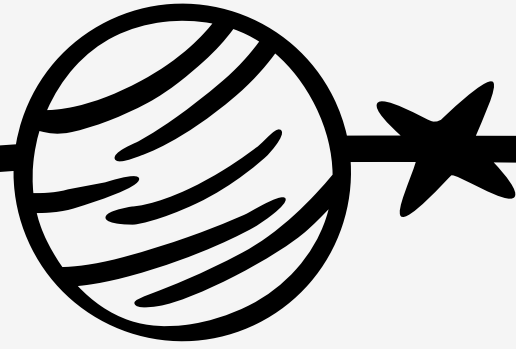


- 1 Venus**
- 2 Mars**
- 3 Uranus**
- 4 Mercury**
- 5 Earth**
- 6 Jupiter**
- 7 Neptune**
- 8 Saturn**

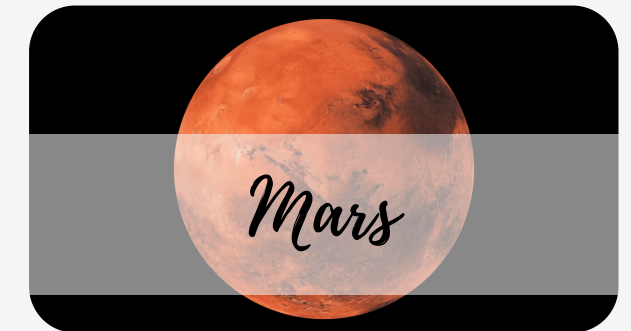
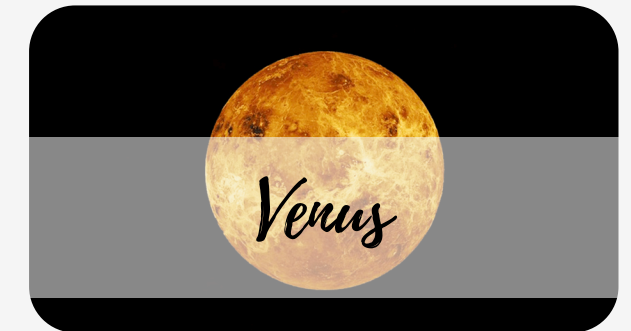
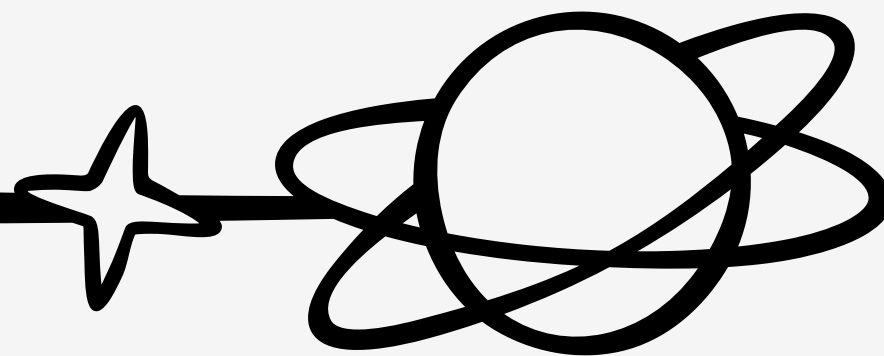


**Read the facts about
planets and try to
guess their names!**



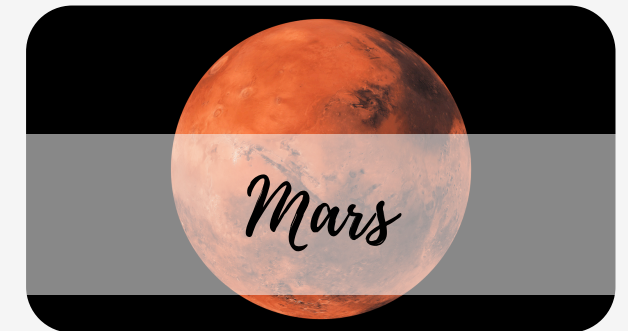
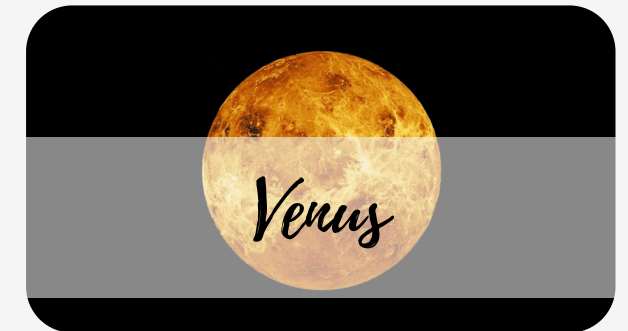
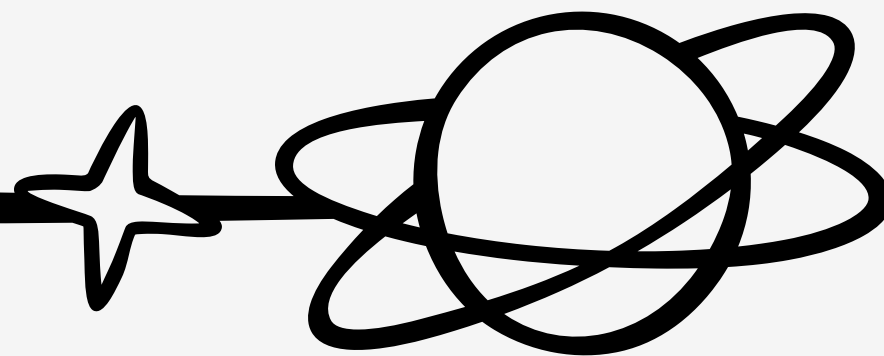


- People often call it the "King of the Planets" because it's the largest one.
- Unlike Earth, which is mostly rock, it is made up mostly of gases like hydrogen and helium - the same kind of gas that makes balloons float! So, you couldn't really land on it.
- It has a famous storm called the Great Red Spot. It's like a giant hurricane that has been going on for hundreds of years, and it's even bigger than our entire Earth.
- Even though it's huge, it spins around very quickly. A day on this planet is only about 10 Earth hours long!



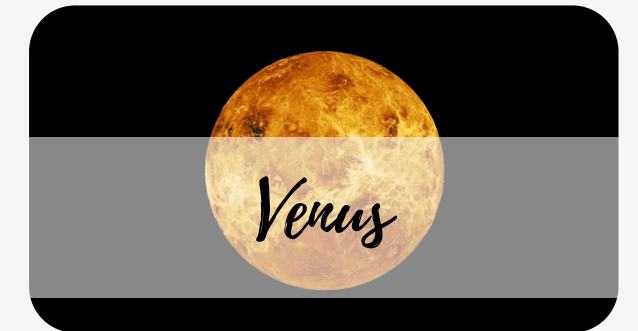
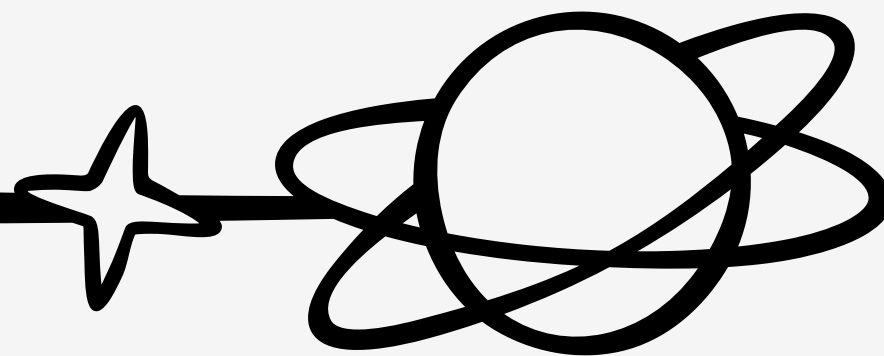


- *This planet is the closest to our Sun. Because of this, it gets a lot of sunlight and heat.*
- *Because it's so close to the Sun and has a very thin atmosphere, it has wild temperature swings. During the day, the side facing the Sun can get incredibly hot, much hotter than your oven! But at night, the side facing away from the Sun gets extremely cold.*
- *Just like Venus, this planet does not have any natural moons orbiting it.*



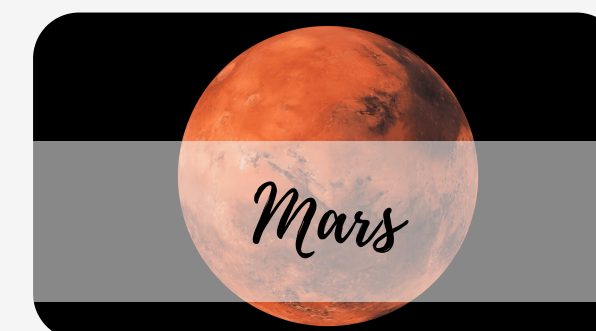
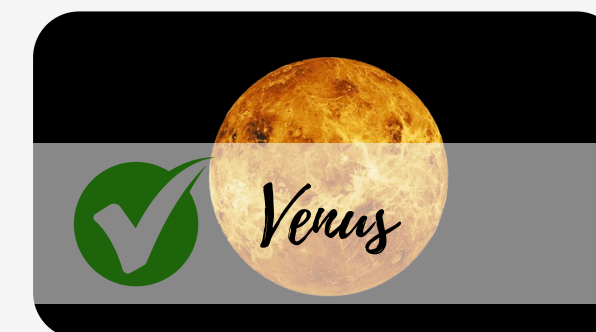
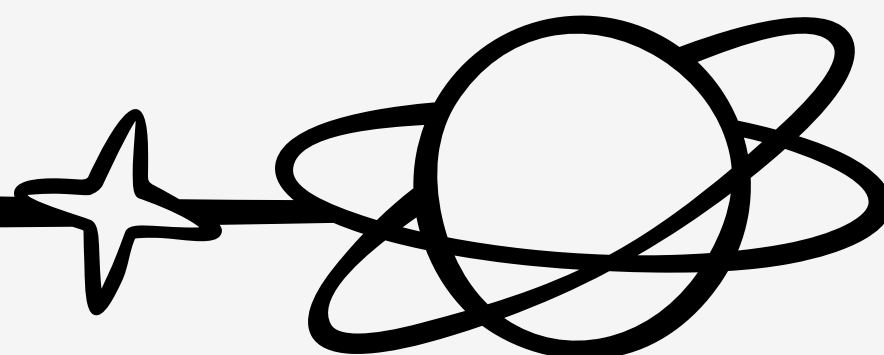


- Like Jupiter and Saturn are gas giants, this planet is called an "ice giant." This is because it has a lot of icy materials like water, methane, and ammonia in addition to hydrogen and helium. The methane in its atmosphere is what gives it that blue-green color.
- It is very far away from the Sun, so it's incredibly cold there. It's one of the coldest planets in our solar system!
- Because this planet is tilted on its side, it has very strange seasons. For example, one pole can have sunlight for about 42 Earth years, and then have 42 years of darkness! Imagine that!



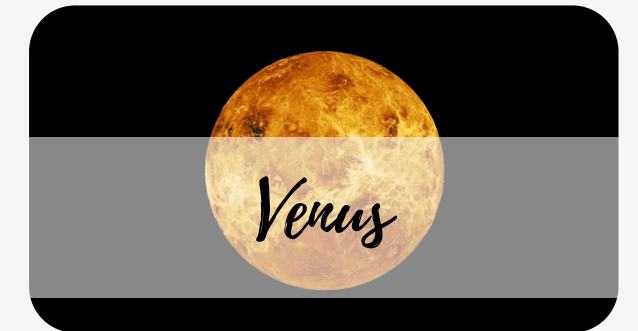
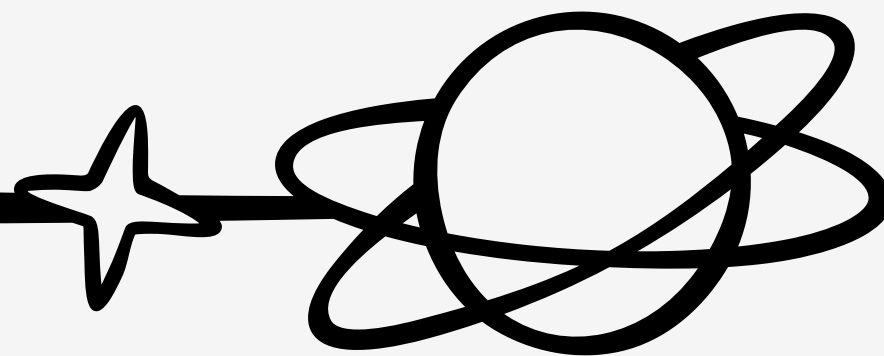


- The clouds on this planet are thick and yellow, made of sulfuric acid - a very strong and dangerous chemical! These clouds block most of the sunlight from reaching the surface
- It is the hottest planet in our solar system! Its surface temperature is hot enough to melt lead - that's much hotter than your oven! This is because of its thick atmosphere.
- A day on it is longer than its year! It takes this planet longer to spin around once on its axis than it takes to orbit the Sun. A day on it is about 243 Earth days, while its year is about 225 Earth days.



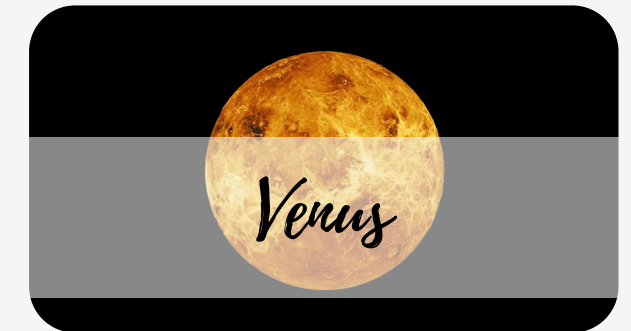
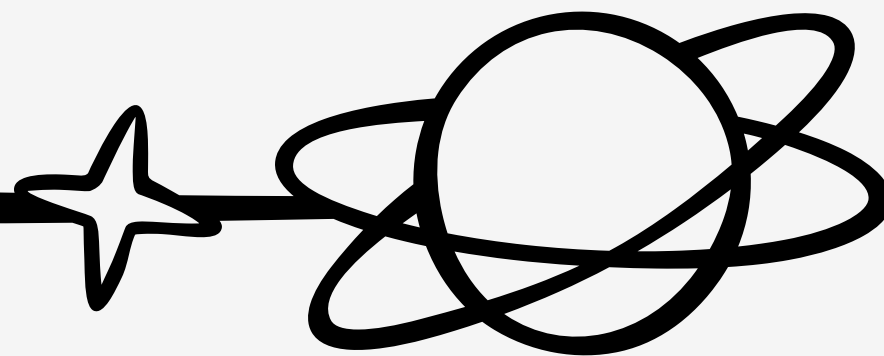


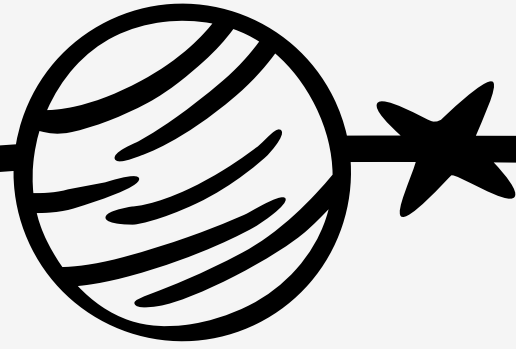
- It is most famous for its spectacular rings. These rings aren't solid; they're made up of billions of pieces of ice, rock, and dust, ranging in size from tiny grains to big chunks.
- Like Jupiter, this planet is a gas giant. This means it's made mostly of light gases like hydrogen and helium. So, just like Jupiter, you couldn't land on this planet. It doesn't have a solid surface.
- Surprisingly, it is less dense than water! If you had a bathtub big enough, this planet would actually float in it! This is because it's made mostly of very light gases.



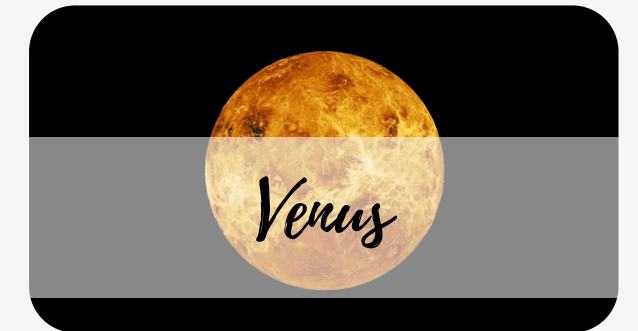
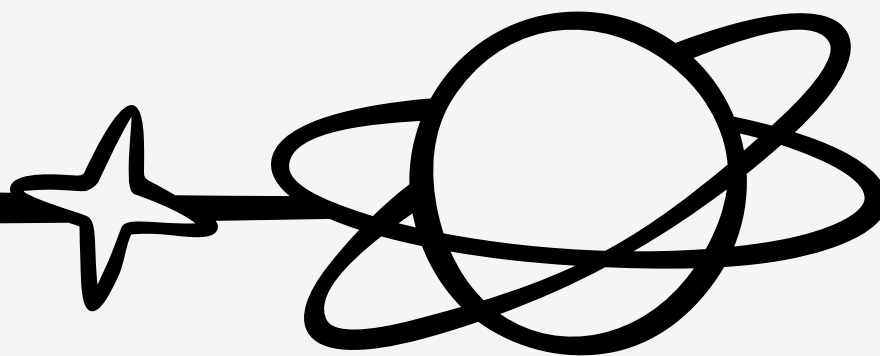


- It gets its nickname from the rusty red color of its surface. This color comes from iron oxide, which is basically rust, in its soil.
- Scientists have found evidence that there used to be liquid water on it a long time ago. There are features like dried-up riverbeds and canyons that suggest water once flowed there. Today, most of the water is frozen as ice at the poles and underground.
- This planet is home to some of the biggest geological features in our solar system! Olympus Mons is a giant shield volcano that's about three times taller than Mount Everest!



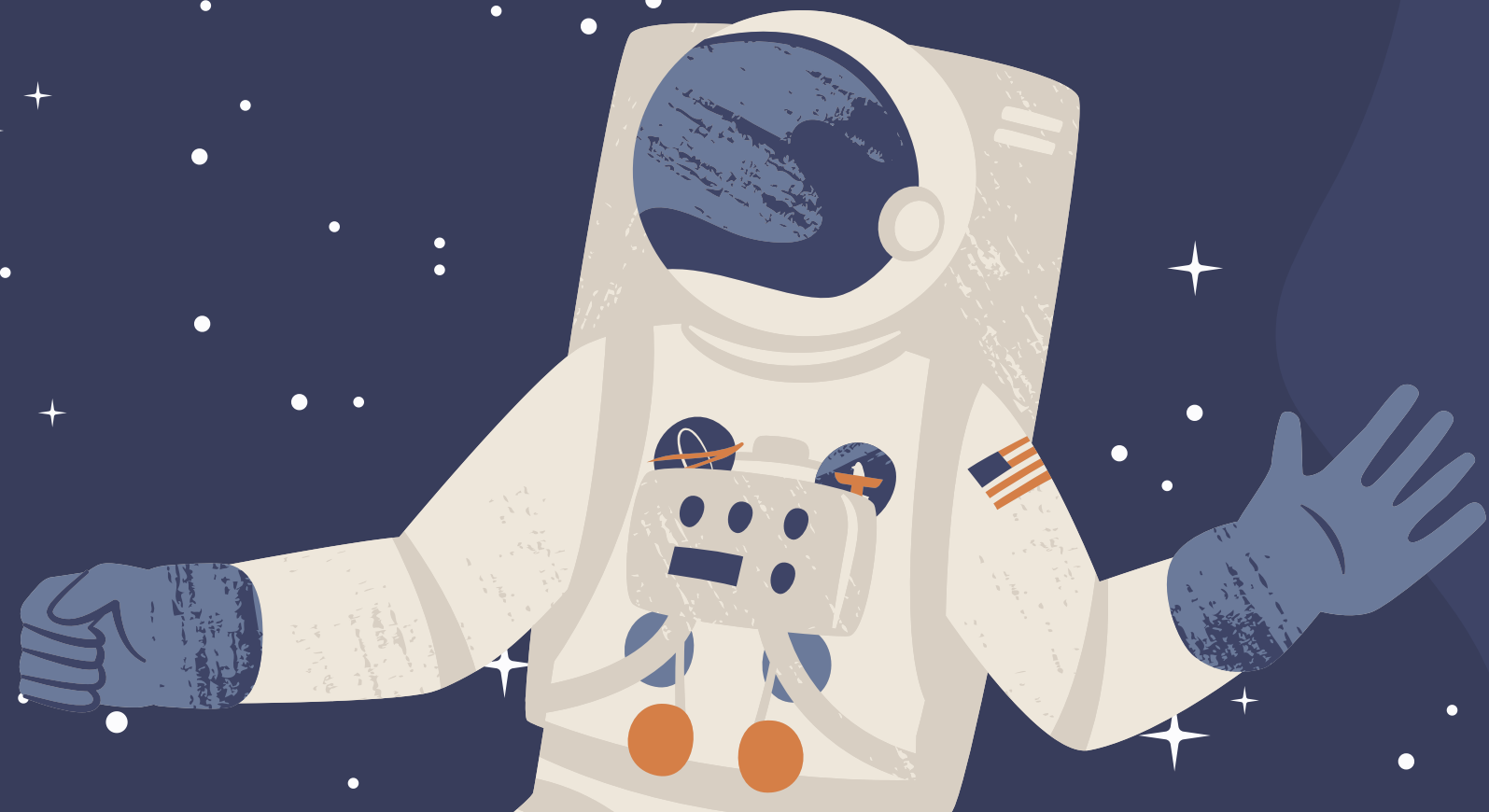


- *This planet has the strongest winds in our solar system! These winds can reach incredible speeds of over 2,000 kilometers per hour (about 1,200 miles per hour). That's faster than the speed of sound!*
- *Like Uranus, it is classified as an "ice giant." This means it has a thick, slushy layer of icy materials like water, ammonia, and methane surrounding a small, rocky core.*
- *Being so far away from the Sun, this planet takes a very long time to complete one orbit. A year on it is about 165 Earth years! That means no human has ever lived long enough to see a full year on this planet.*





Answer the questions



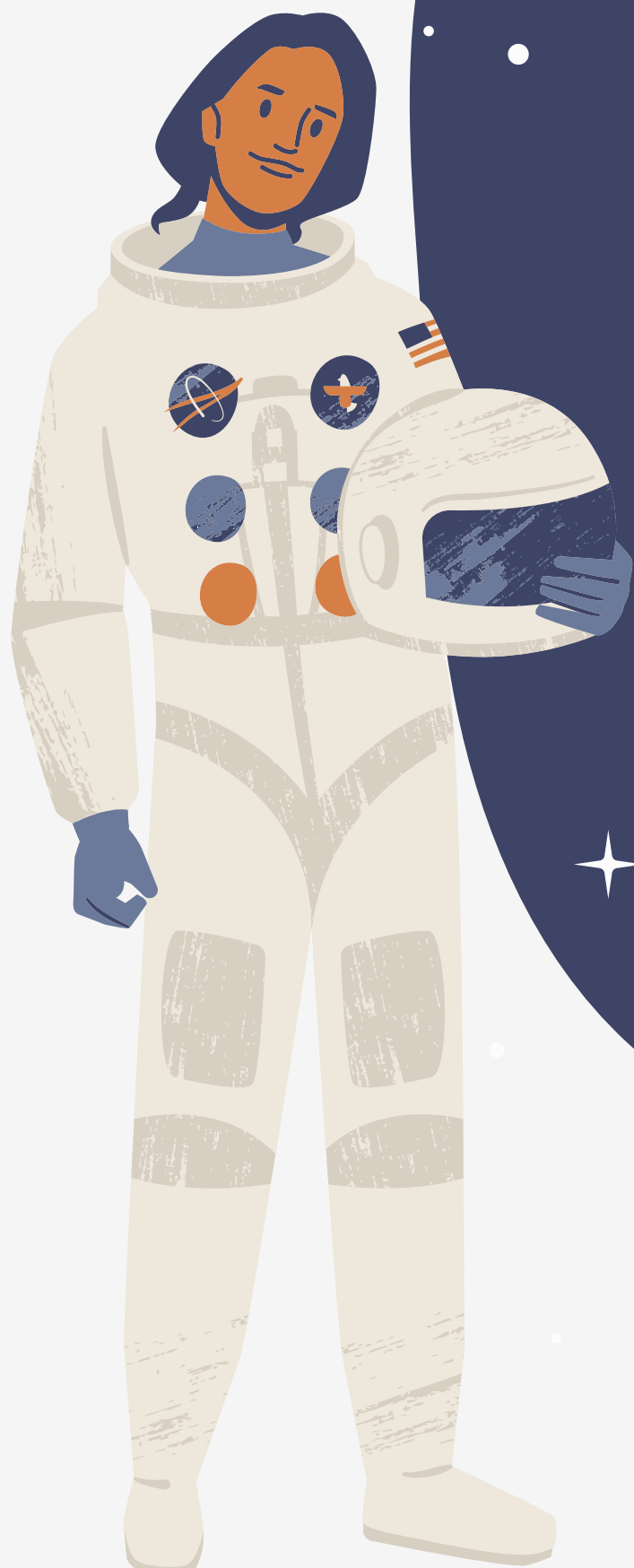
1. Which fact did you find the most interesting or surprising? Why?

2. Which planet would be the most dangerous to visit?

3. Which planet do you like the most?



Match the facts with planets





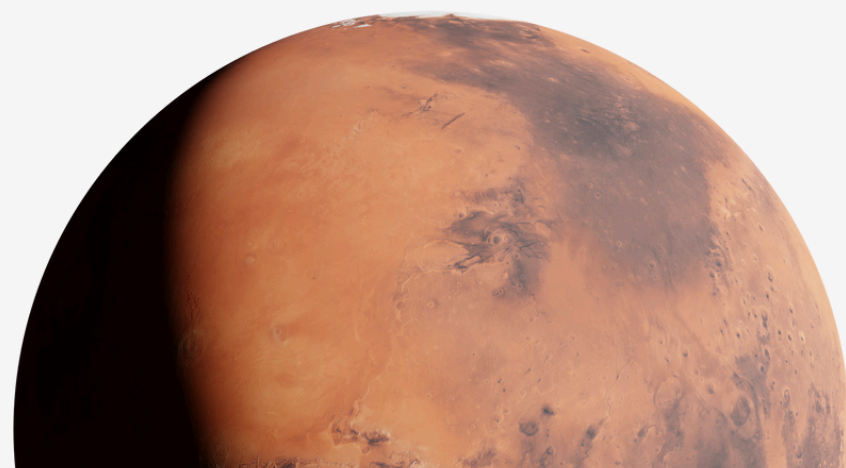
Mercury



Venus



Mars



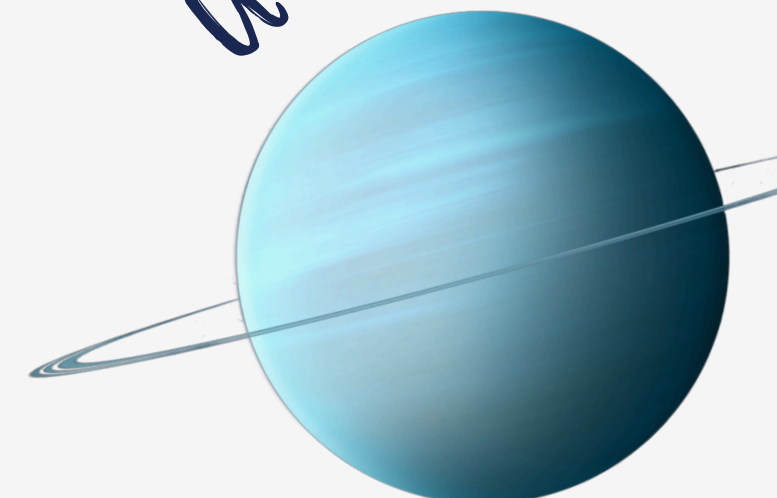
Jupiter



Saturn



Uranus



Neptune



- 1) **Venus** It is the hottest planet in our solar system.
- 2) **Neptune** This planet has the strongest winds in our solar system!
- 3) **Jupiter** People often call it the "King of the Planets" because it's the largest one.
- 4) **Mercury** This planet is the closest to our Sun.
- 5) **Saturn** It is less dense than water.
- 6) **Uranus** One pole can have sunlight for about 42 Earth years, and then have 42 years of darkness!
- 7) **Mars** Scientists have found evidence that there used to be liquid water on it a long time ago.



True or false?

**Jupiter is the
smallest one.**





False

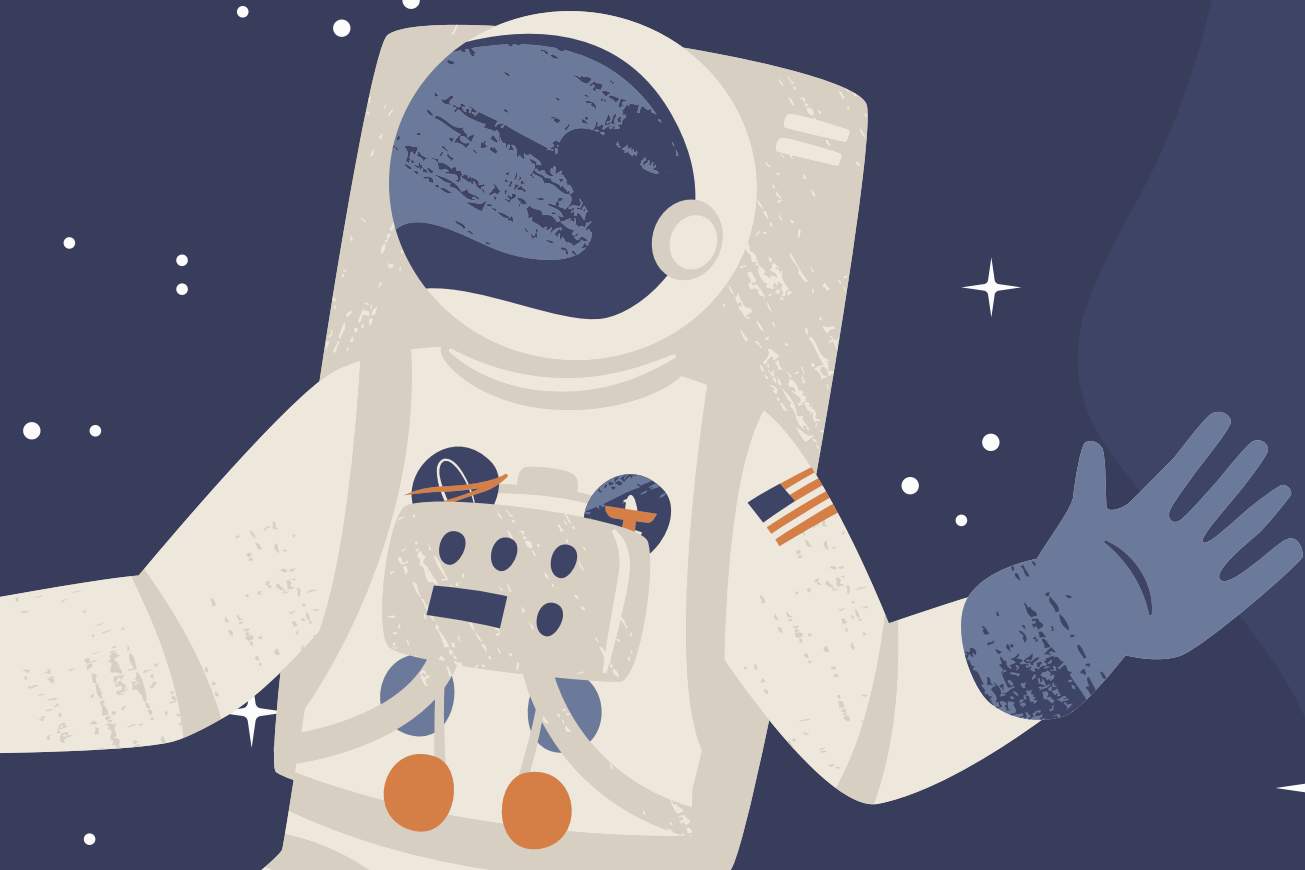
It's the largest one.





True or false?

**You couldn't really
land on Jupiter.**





True

**You couldn't really
land on Jupiter.**





True or false?

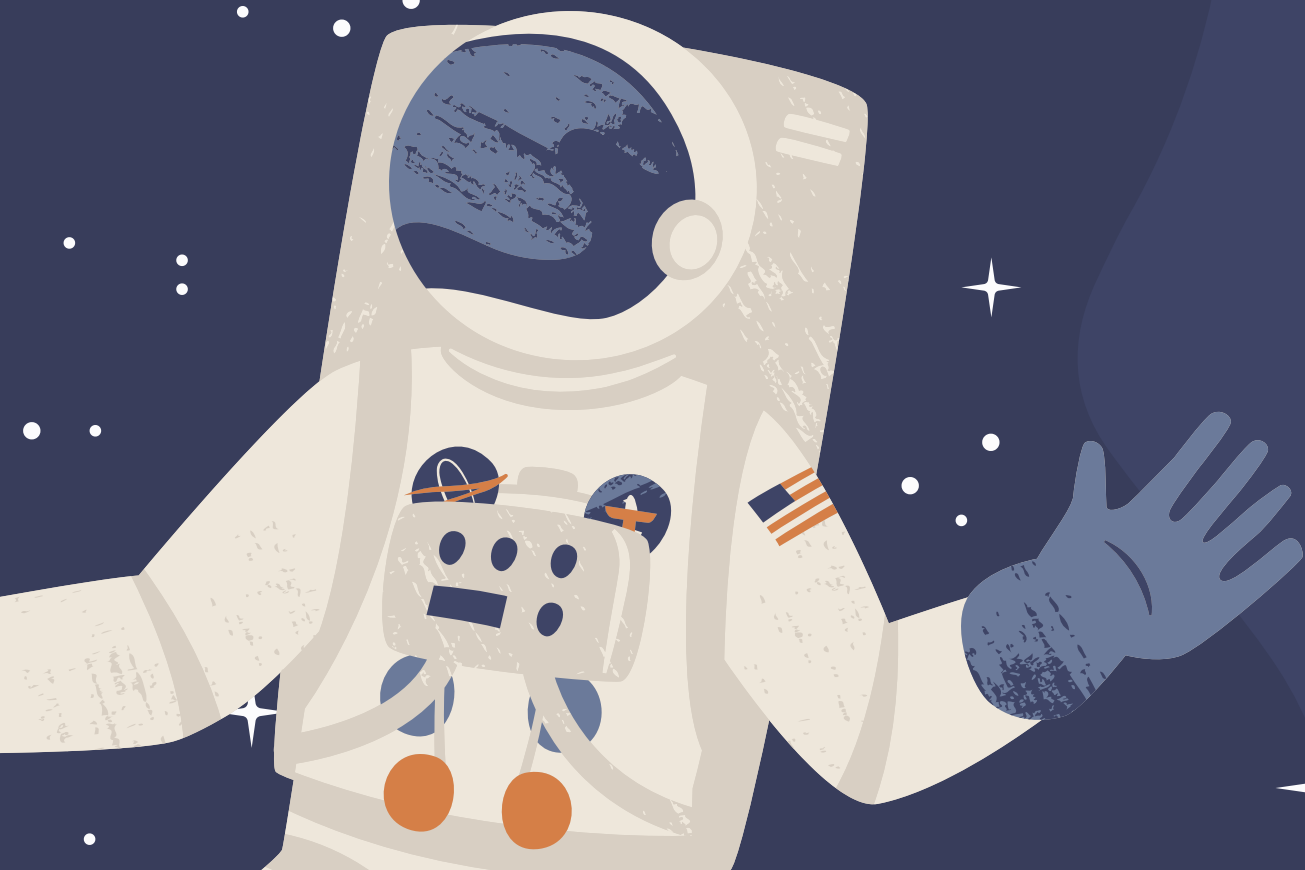
**Mercury is the
farthest planet
from our Sun.**





False

**It is the closest to
our Sun.**





True or false?

The blue-green colour of Uranus is due to the methane in its atmosphere.





True

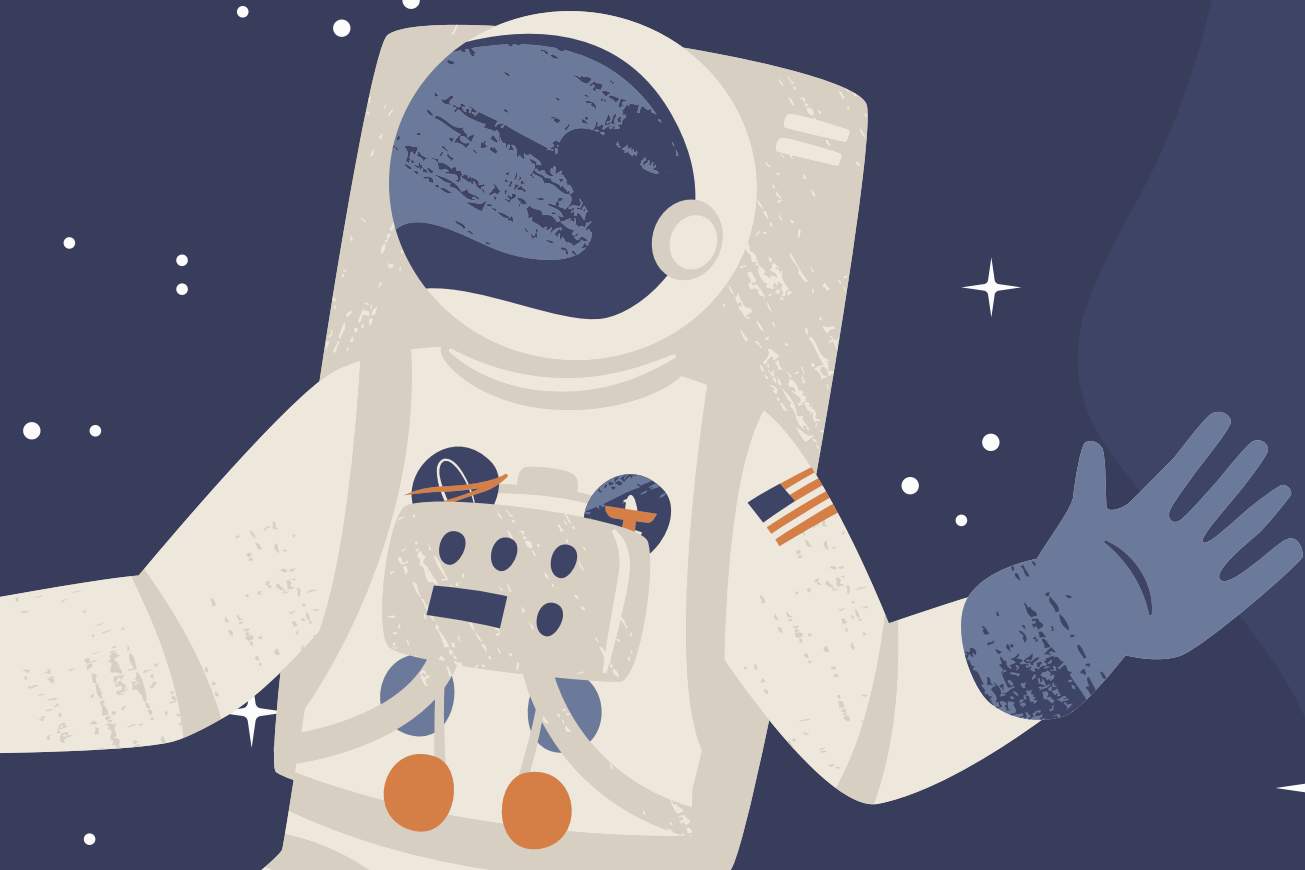
The blue-green colour of Uranus is due to the methane in its atmosphere.





True or false?

**Neptune is
incredibly cold.**





True

**Neptune is
incredibly cold.**





True or false?

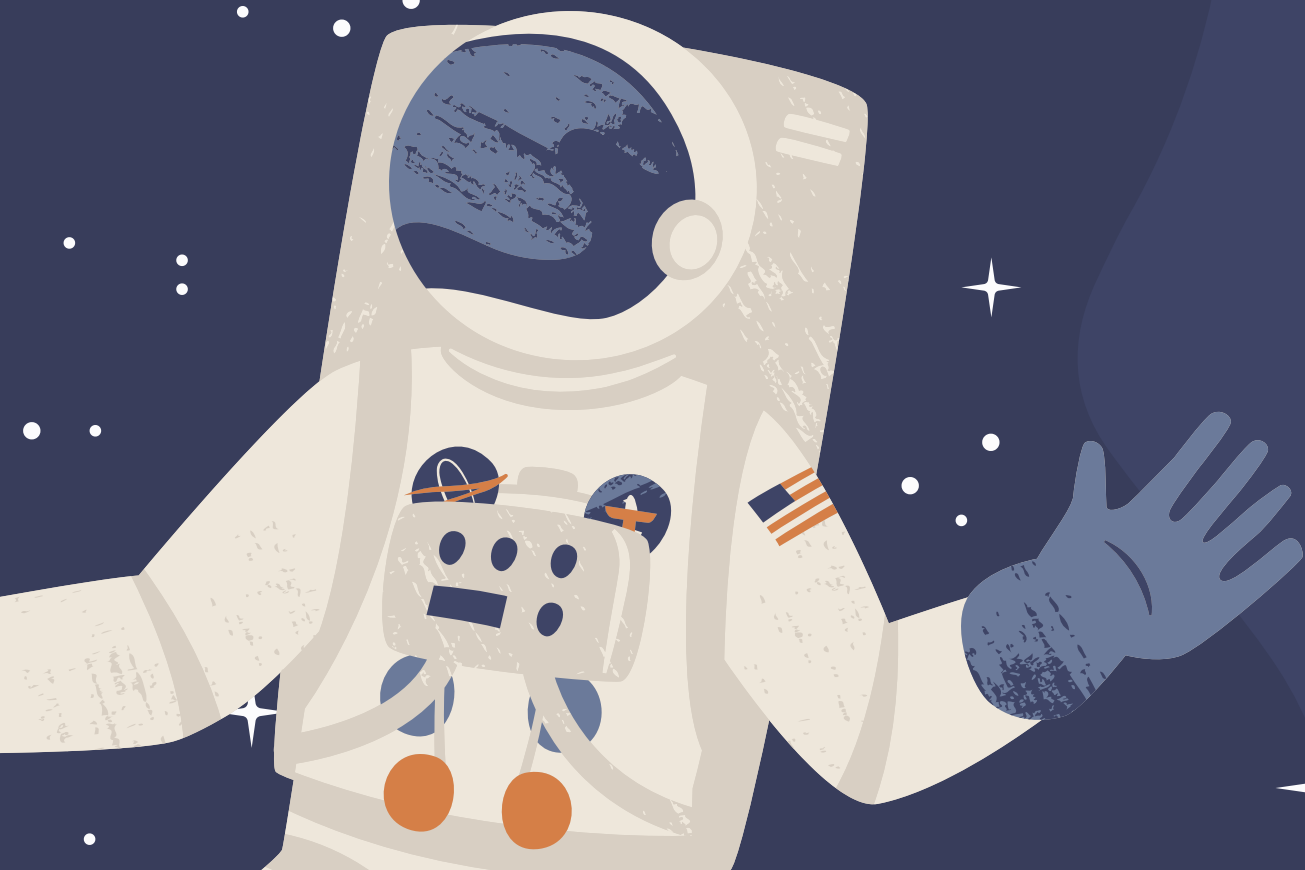
**Venus is the
coldest planet in
our solar system.**





False

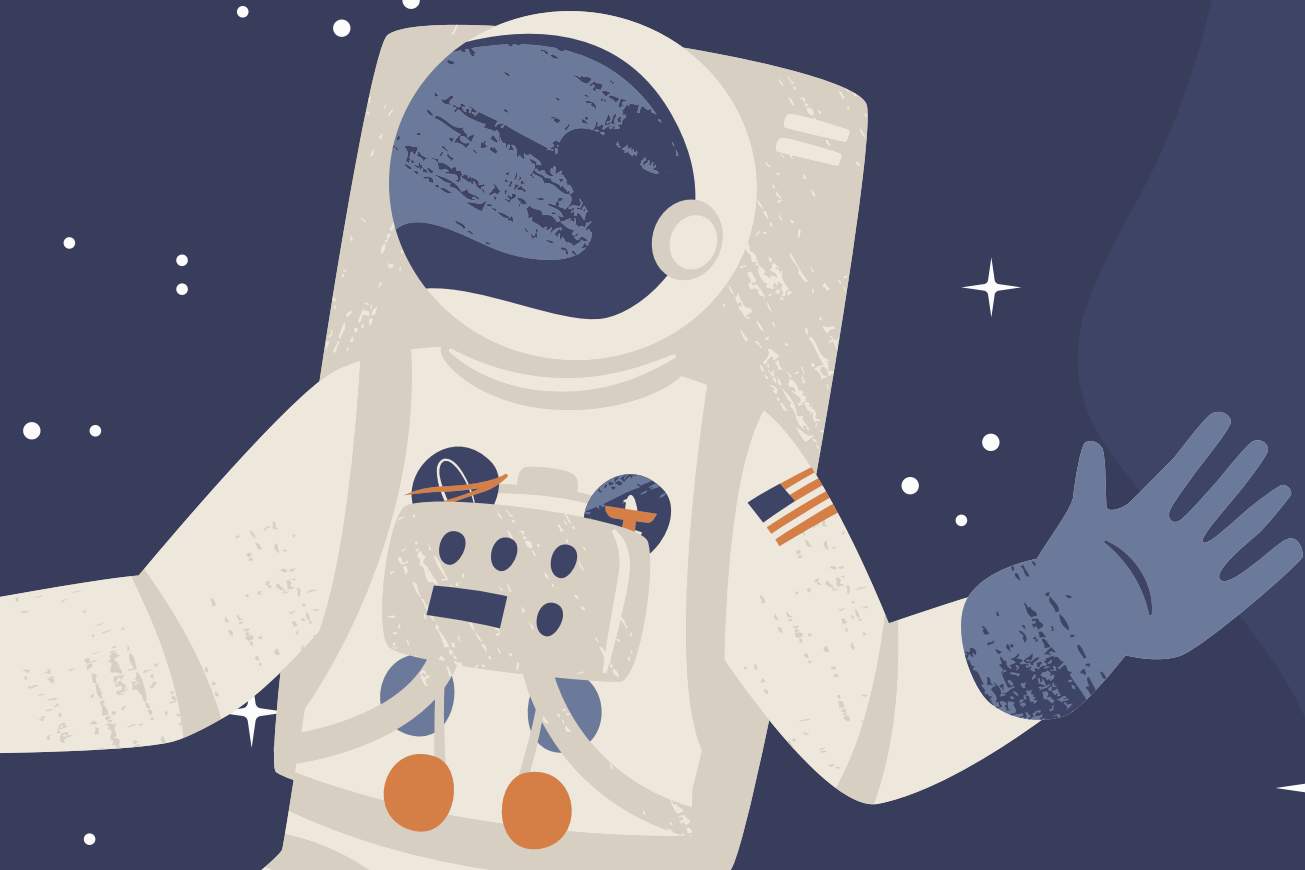
**It is the hottest
planet.**





True or false?

**Saturn has a solid
surface that you
could land on.**





False

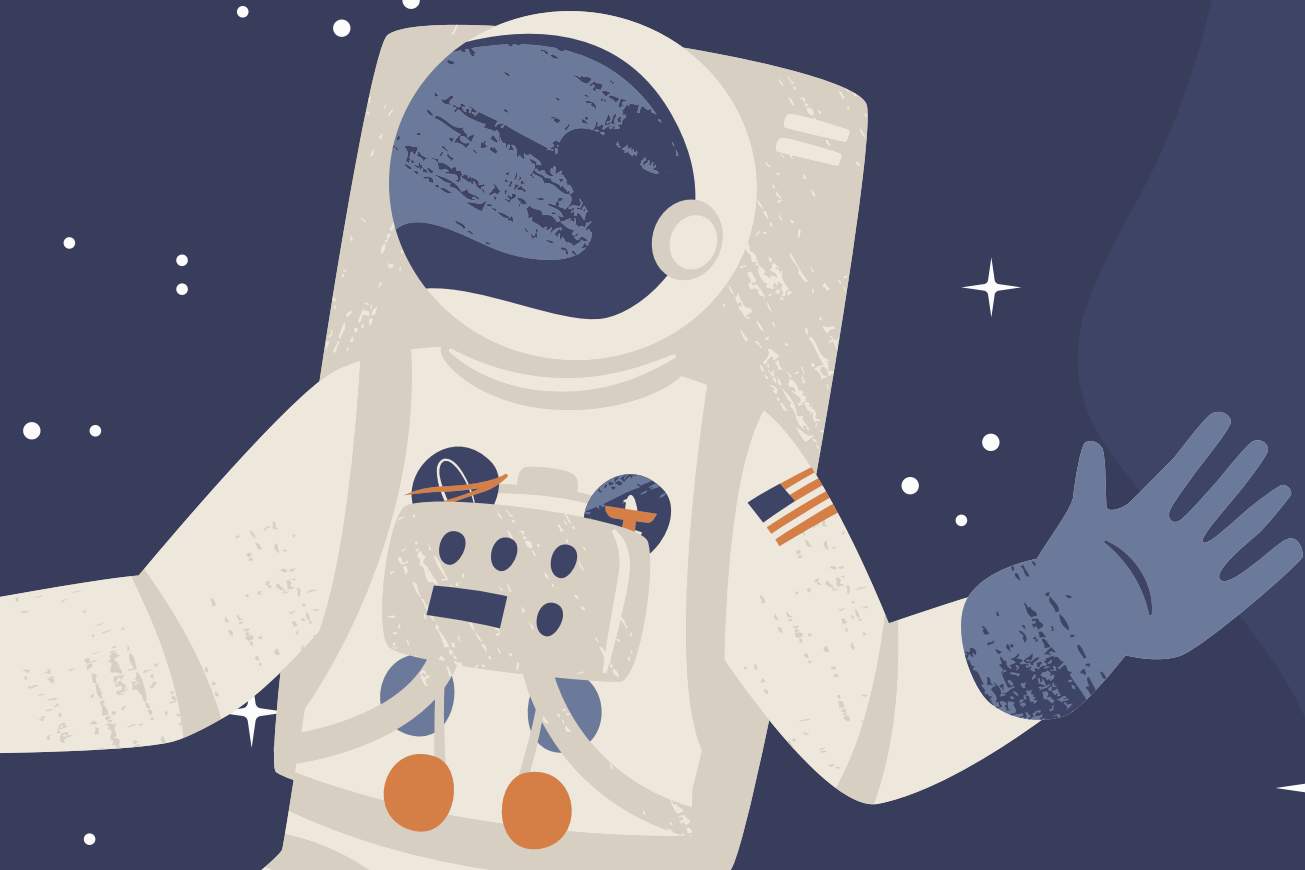
**It's a gas giant
made mostly of
light gases.**





True or false?

Scientists have found evidence suggesting that liquid water existed on Mars in the past.

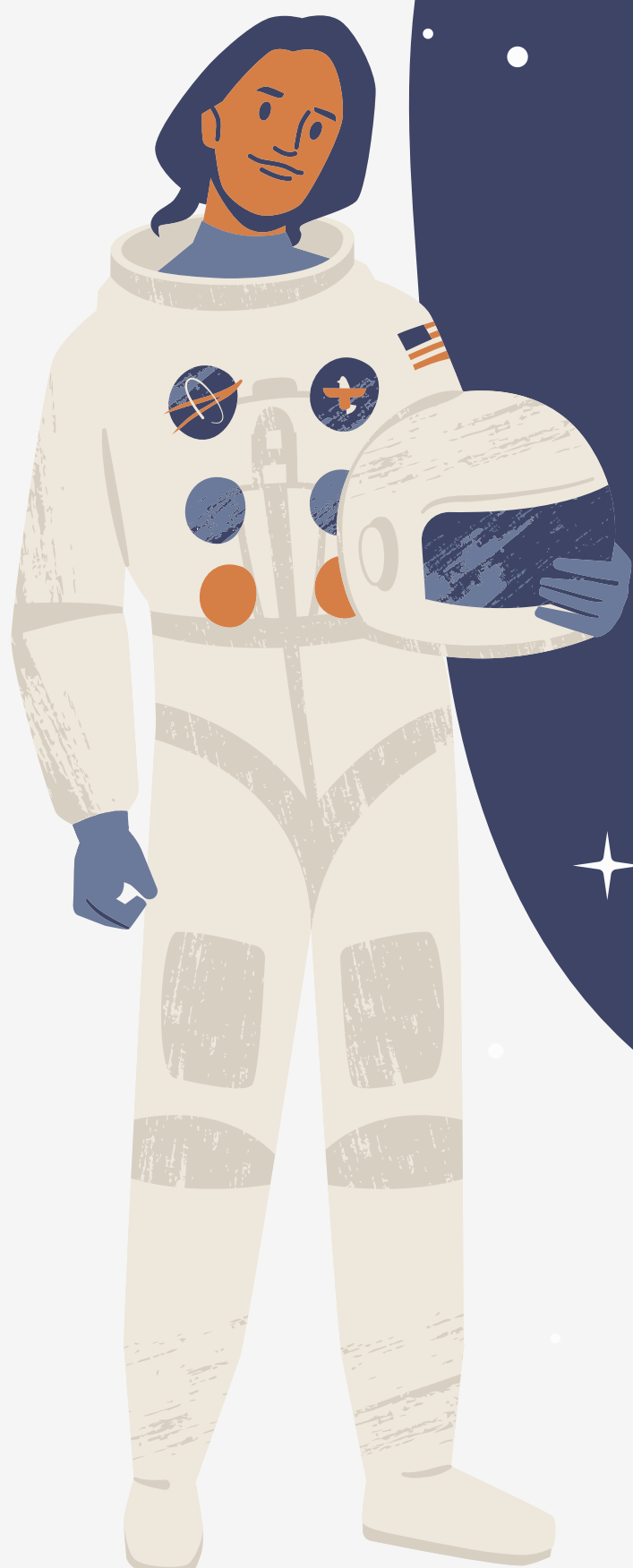




True

Scientists have found evidence suggesting that liquid water existed on Mars in the past.





Can you guess the
planets?





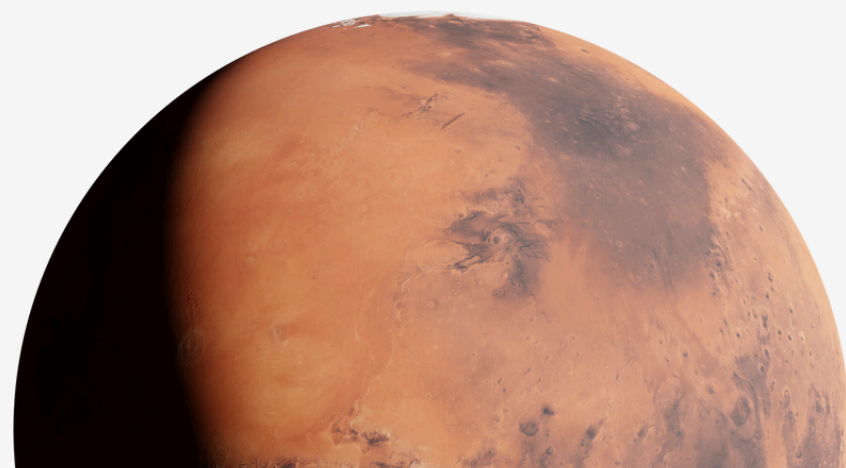
Mercury



Venus



Mars



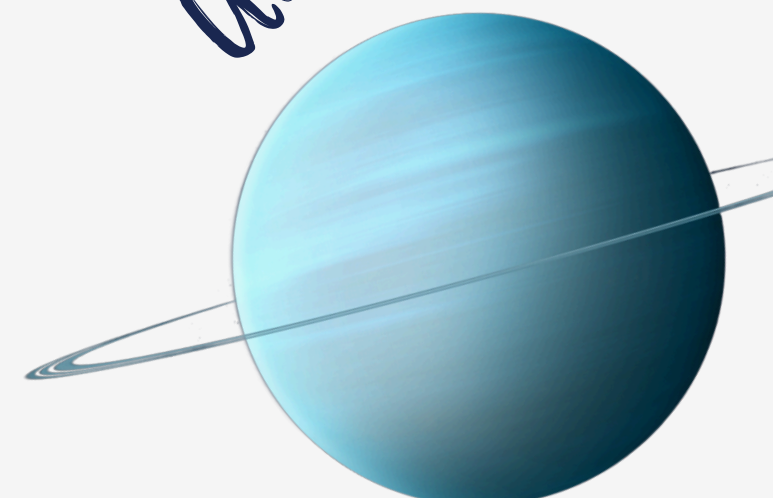
Jupiter



Saturn



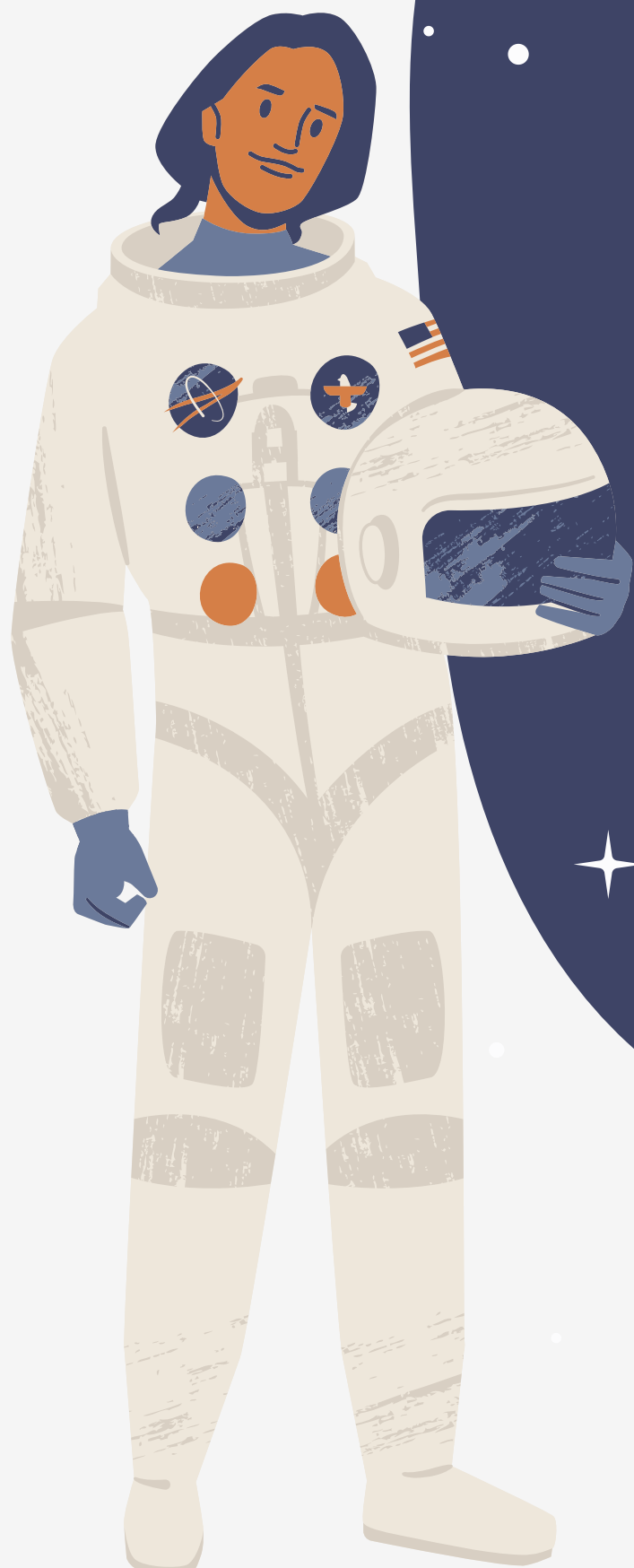
Uranus



Neptune



Work in pairs. Choose a planet and tell your partner some facts you remember about it. Your partner guesses which planet it is.



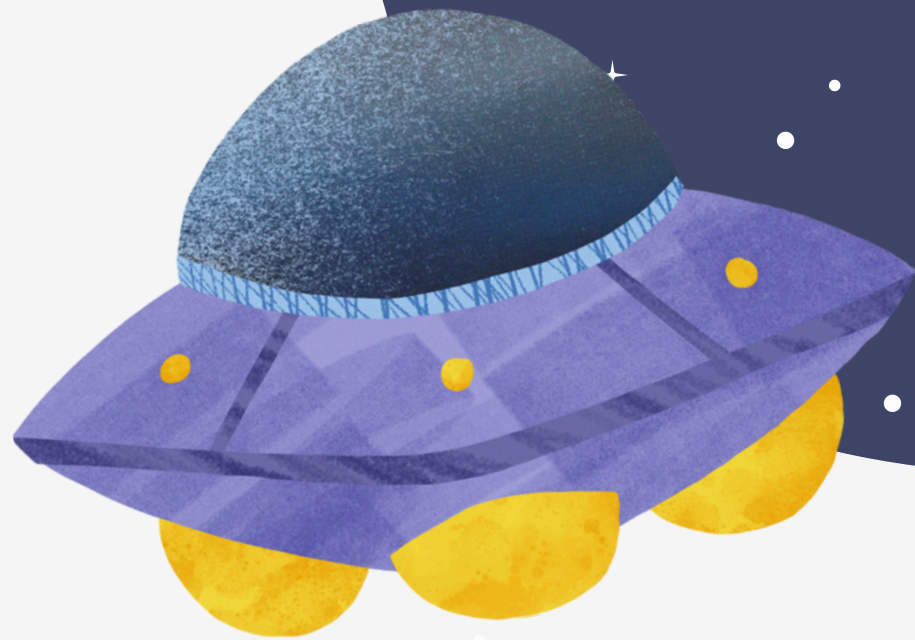
If you...

Answer the questions.
Be creative!





If you could travel to any planet in our solar system, which one would you choose and why?



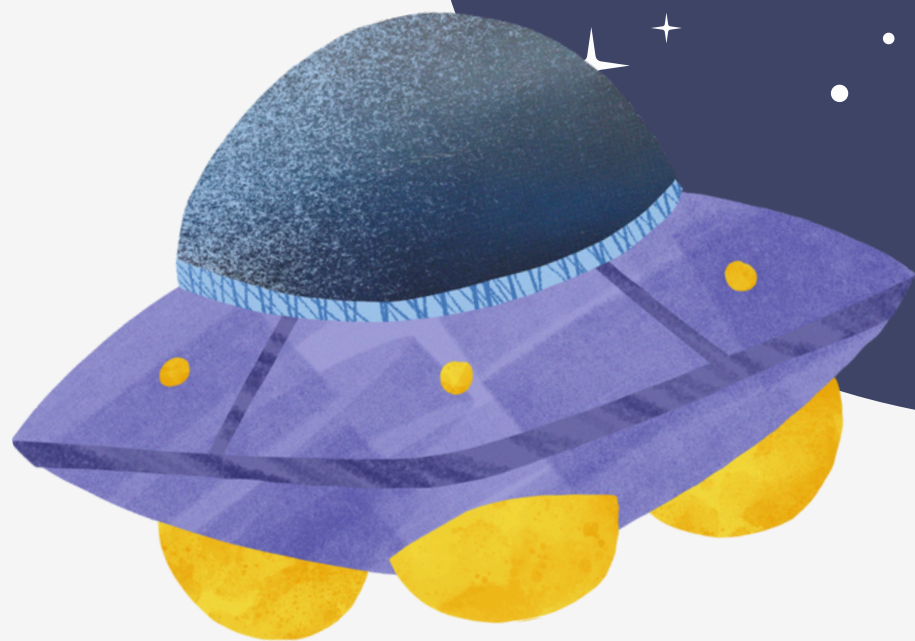


If you found evidence of alien life on another planet, would you tell everyone immediately, or would you keep it a secret for a while?



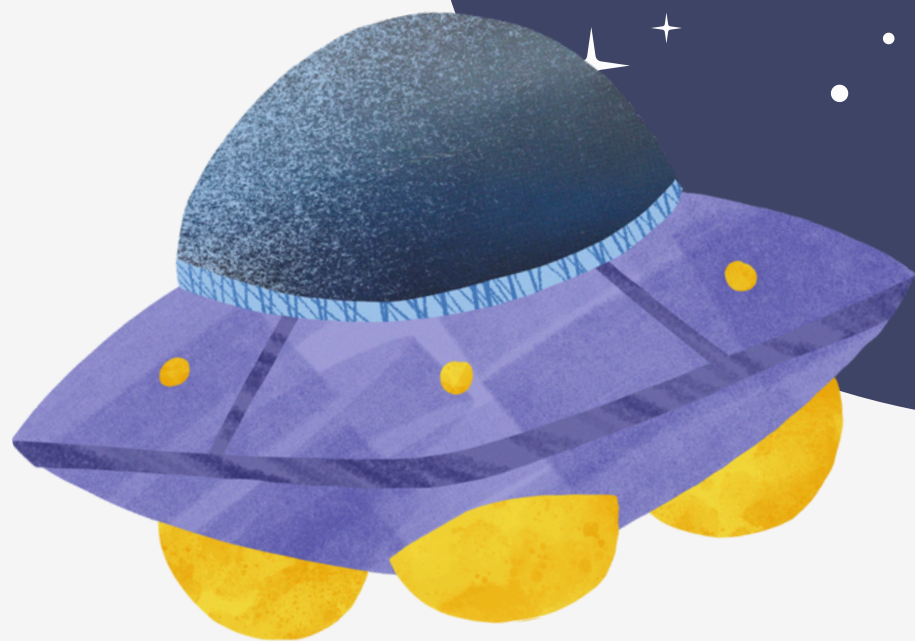


**If you saw a UFO, would you
try to take a picture or
would you hide?**



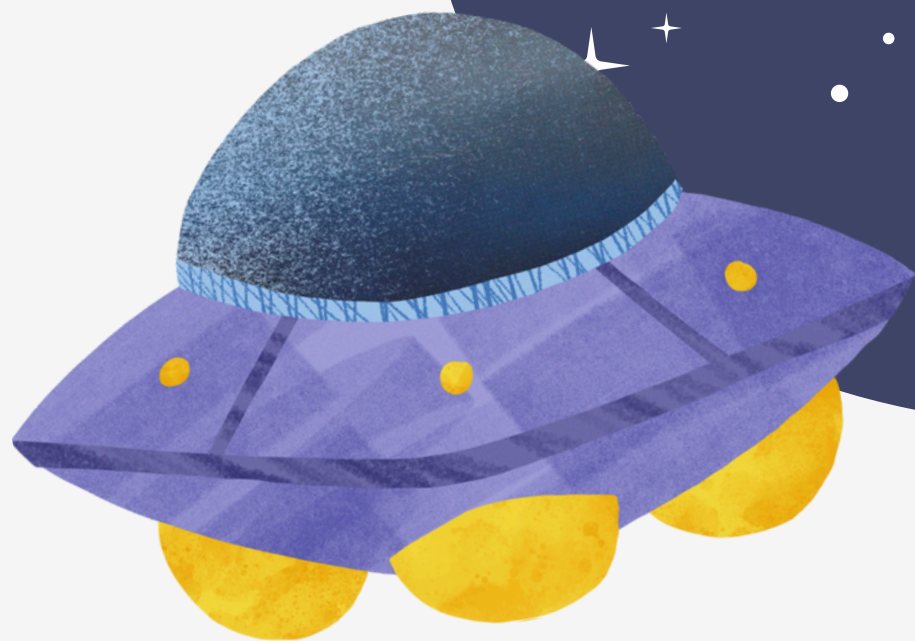


**If you were in charge of
planning a trip to the Moon
for tourists, what activities
would you organize?**



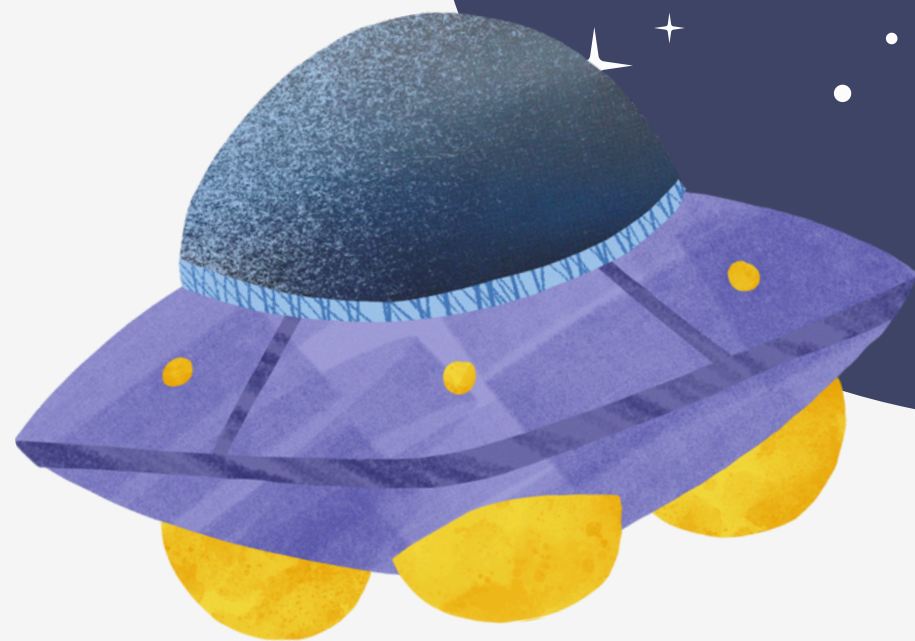


**If you could send a message
into space that aliens might
receive, what would it say?**



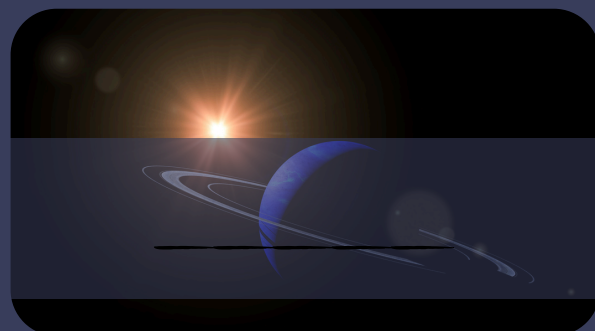
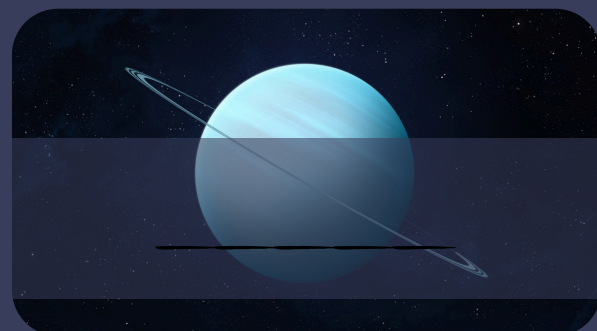
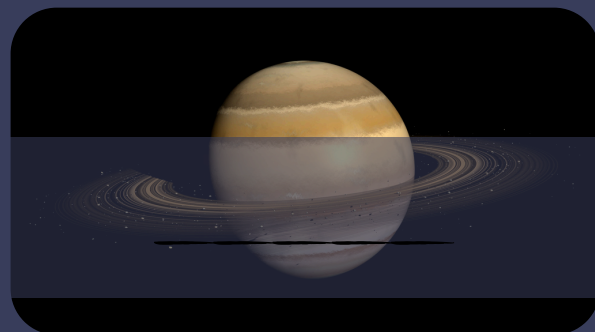
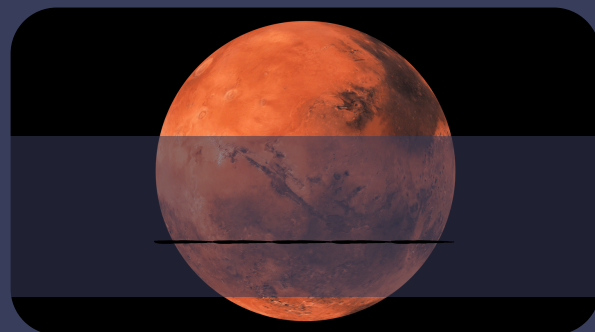
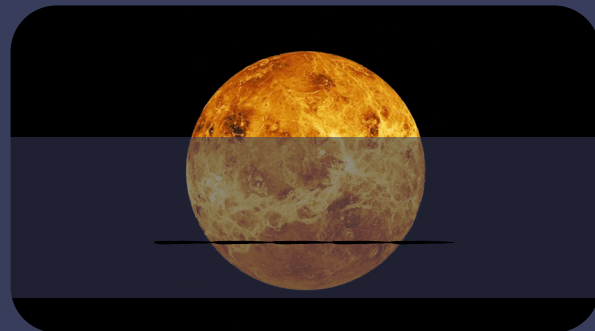
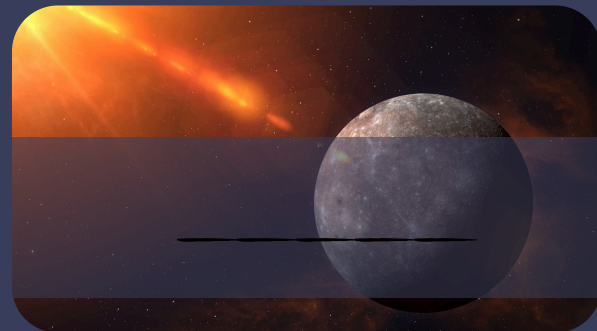


If you could create a new planet, what special characteristics would it have?





Write the planets. Then write facts that you remember about each of them.



Homework 1



CREATE YOUR OWN PLANET!

Name your planet.

Describe its key features:

- **size**
- **color**
- **atmosphere**
- **nature**
- **people**
- **animals**

Prepare a short presentation.



Homework 2