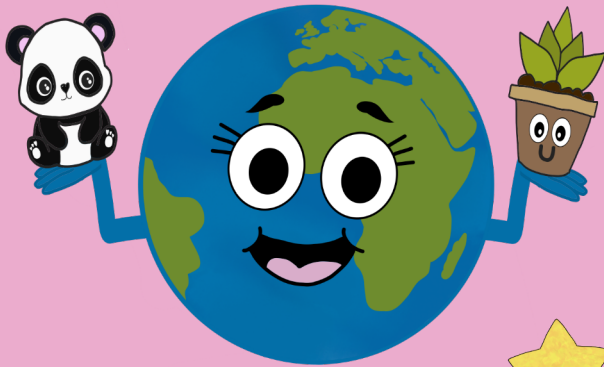




Activity Book

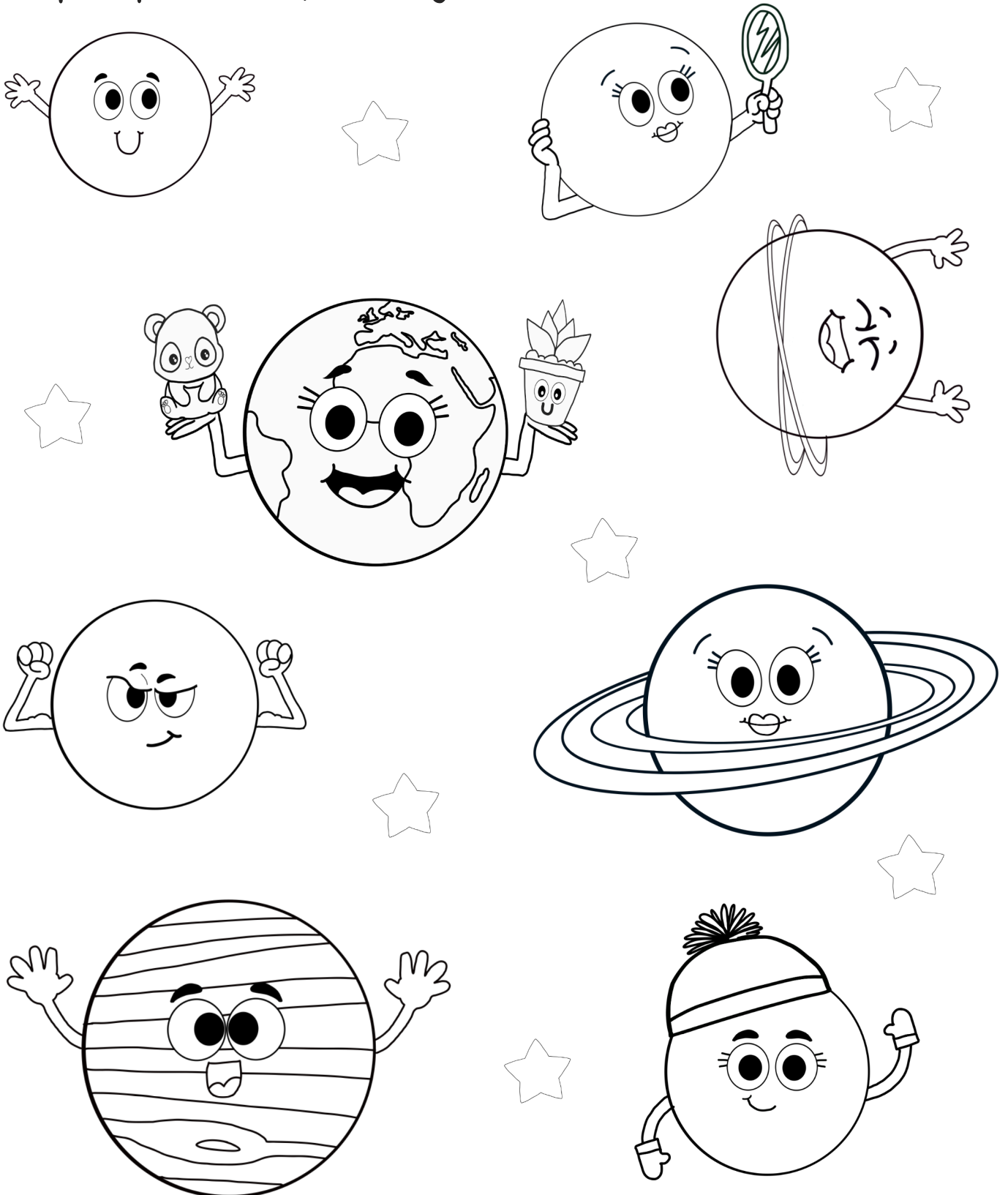
Name:



Space Adventure

Colour me in

Our galaxy is full of colour. But the planets are looking quite plain. Can you bring them to life?

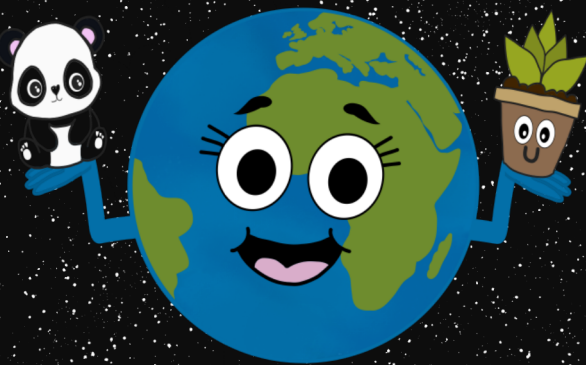
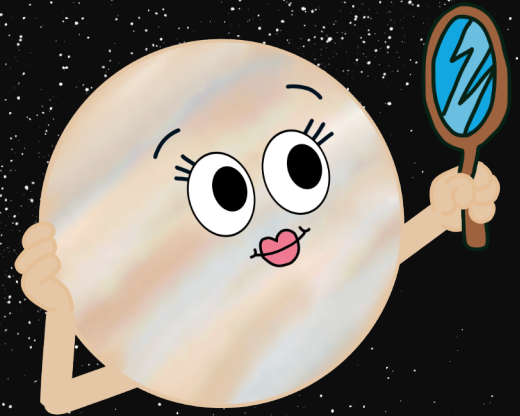


Learn about me



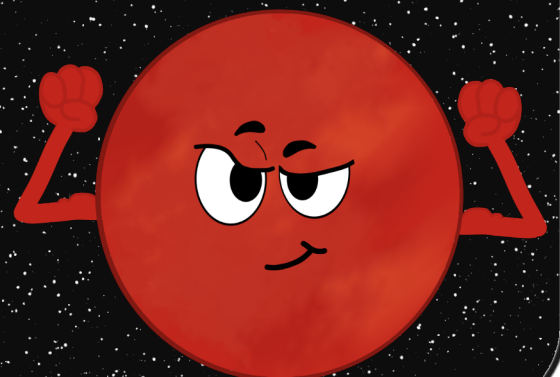
Mercury: I'm the smallest planet in the solar system, only a bit bigger than Earth's moon. I am made of rock. Although I am the closest planet to the sun, I am not the hottest. One year on me is only 88 Earth days but, I spin much slower than earth so, there are only one and a half Mercury days in a year. I don't have any moons.

Venus: I am the hottest planet because, I am full of nasty greenhouse gases which keeps all that heat in. I am a similar size to Earth and I have loads of volcanoes, and mountains. One year on me is 225 Earth days but, I spin so slowly that I only have one Venus Day in a year. I have been used for sea navigation for centuries because, I can be seen in Earth's night sky.

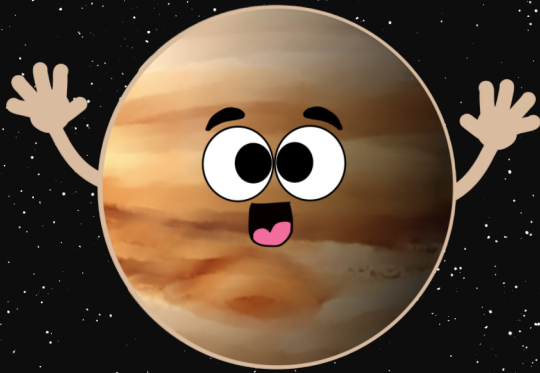


Earth: I am next in line and the planet you call home. I am special because water covers 70% of me which makes me perfect for life. I am the only planet in the solar system with life on it. Like Mercury, Venus and Mars, I am a rocky planet. My atmosphere is just the right level of thickness to keep the planet warm. My atmosphere is filled with gases you and plants need to breath. I have one moon.

Mars: I am a cold desert planet, made out of rocks. I am called the red planet because of the rusty iron in my ground. I used to have water in abundance but now my water is mostly icy dirt. I have had lots of visitors from scientists who want to know if I can support life. I have two moons in my orbit.

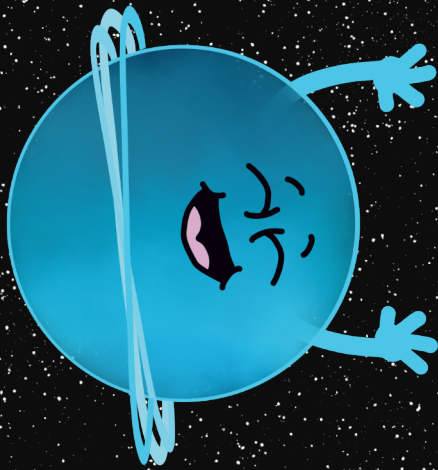


Learn about me



Jupiter: I'm the biggest planet and I am made of gases. I also have rings like Saturn but, they are very hard to see. I have a giant red spot made by a century long storm. One day on me goes by in just 10 Earth hours because of how quick I spin but, one year on me takes over 11 Earth years. I have 95 moons in my orbit.

Saturn: I am known for my beautiful rings which are made of gases, chunks of ice and rocks. Earthlings have known about me since ancient times but, I was a mystery for a very long time. I spin very quickly, just like Jupiter, so one day for me is 11 hours long but, one Saturn year is 29 Earth years. I have the most moons, 146 of them.



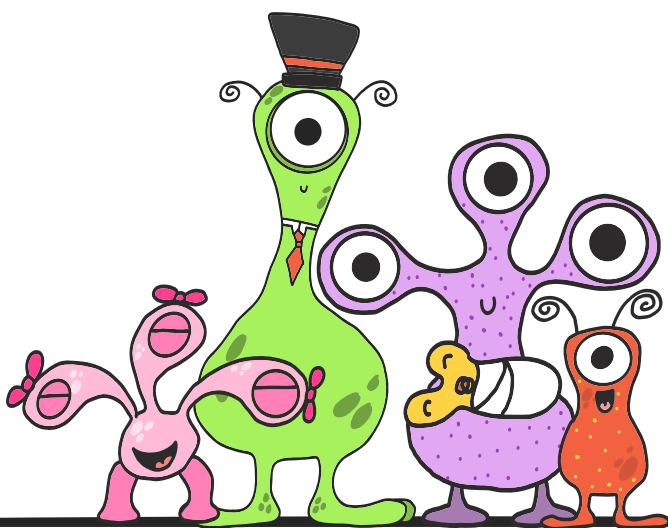
Uranus: I am made of water, gases and a small rocky core. I am known as an ice giant. My gases (mostly methane) make me look blue. I also have rings but, they are harder to see. I am very different to other planets because, I turn on my side. One year on me is the same as 84 Earth years, that's a long time to wait for a cake.

Neptune: I am dark, cold and very windy. I am the furthest planet from the sun which means I hardly get any sunlight. My core is the same size as Earth and the rest of me is made of a thick soup of water, ammonia, and methane. A year for me is the same as 165 Earth years. I have 16 moons and 6 invisible rings.



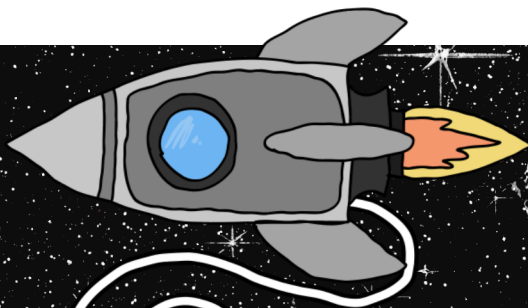
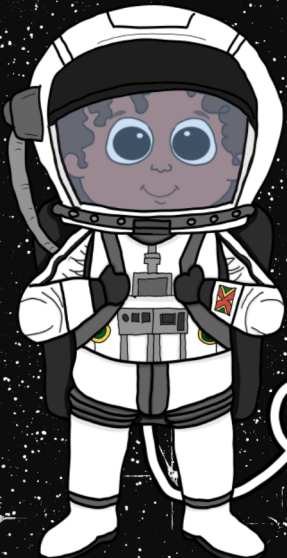
Is Anyone Out There?

What would an alien home look like? Make the perfect home for the alien family.



Space Word Search

a	m	a	r	t	i	a	n	b	j	o	y
l	m	v	o	w	f	d	l	c	d	p	k
a	n	a	s	t	e	r	o	i	d	l	f
z	s	b	m	e	t	e	o	r	e	a	e
s	s	e	n	k	u	g	i	h	e	n	a
a	p	m	c	c	n	g	e	b	g	e	p
r	a	d	o	o	i	r	a	o	f	t	n
q	c	m	q	r	v	t	l	l	v	g	i
s	e	r	c	h	e	s	z	v	a	h	p
t	x	i	q	u	r	p	m	x	u	x	o
a	y	d	l	n	s	j	k	t	y	f	y
r	z	t	u	s	e	k	u	w	j	x	o



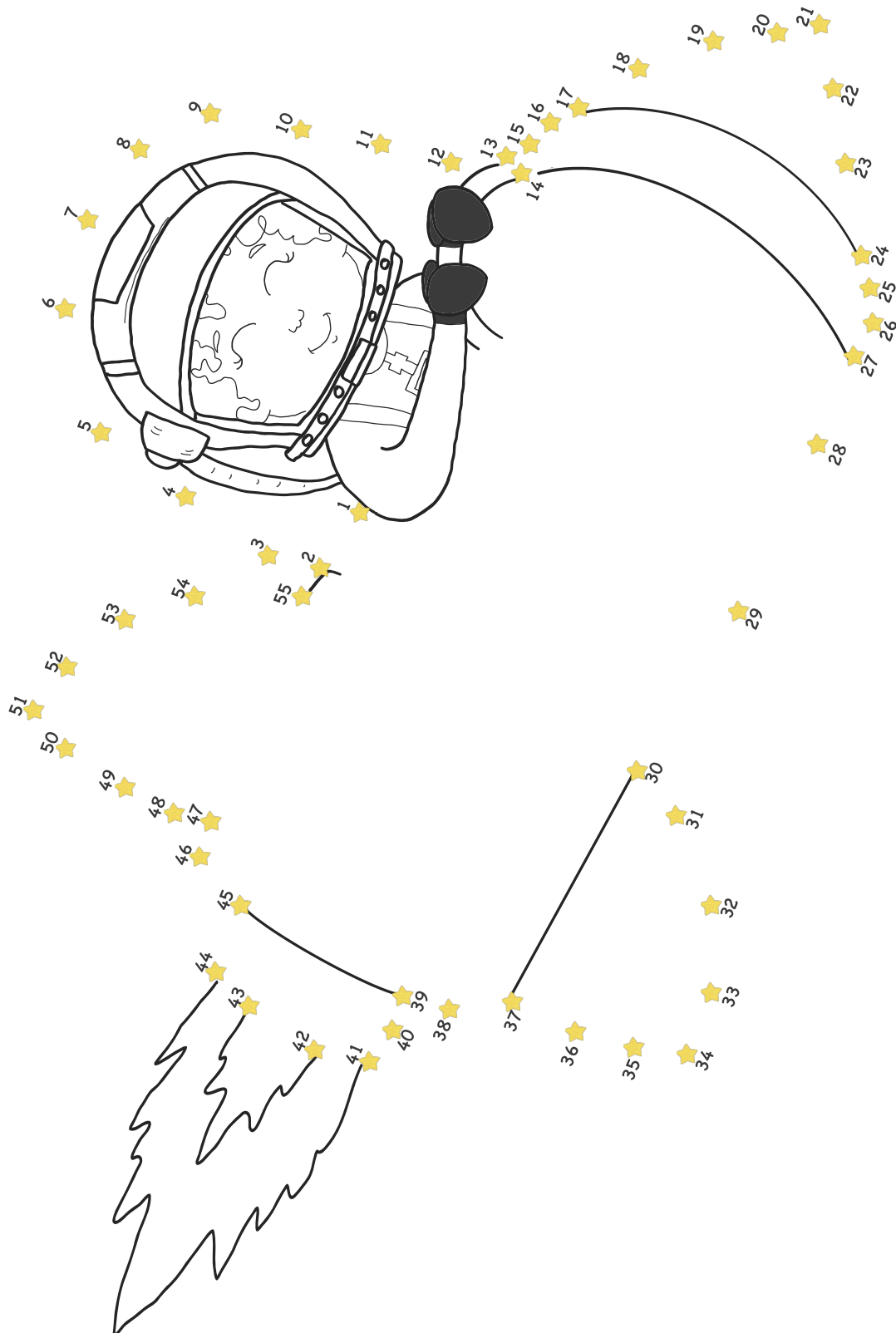
alien
planet
space
UFO

star
galaxy
rocket
meteor

comet
asteroid
universe
martian

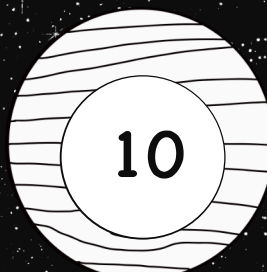
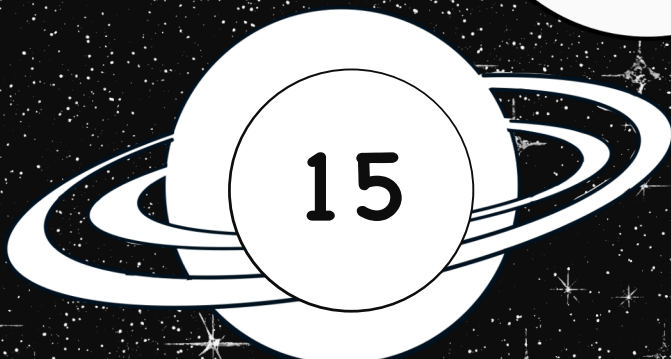
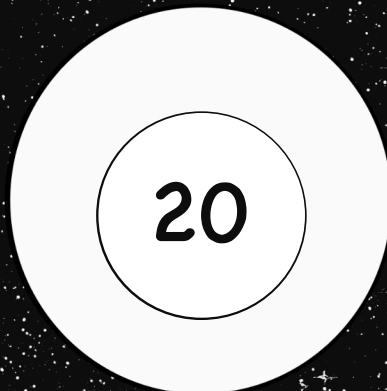
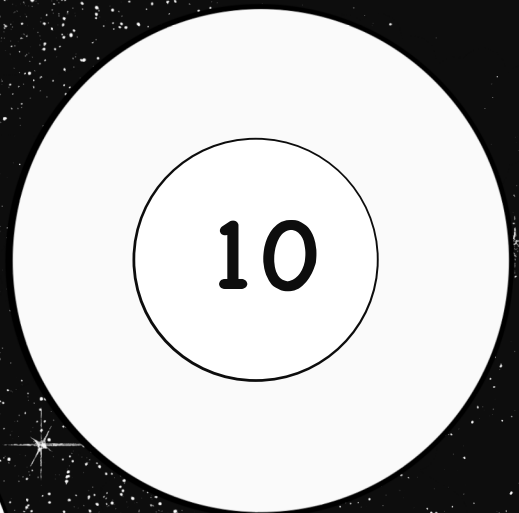
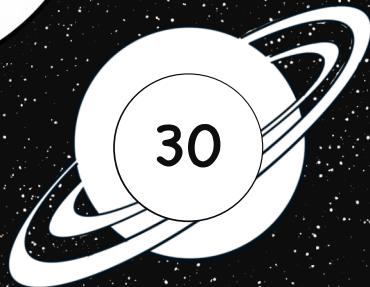
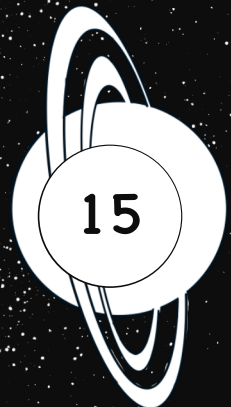
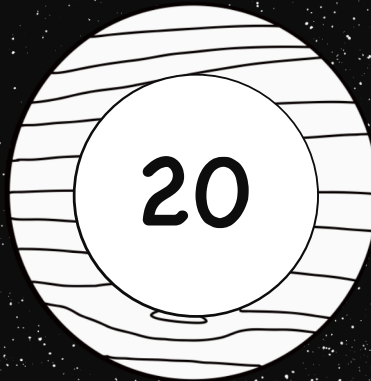
Star to Star

Help Yara finish her rocket ship by joining the stars.

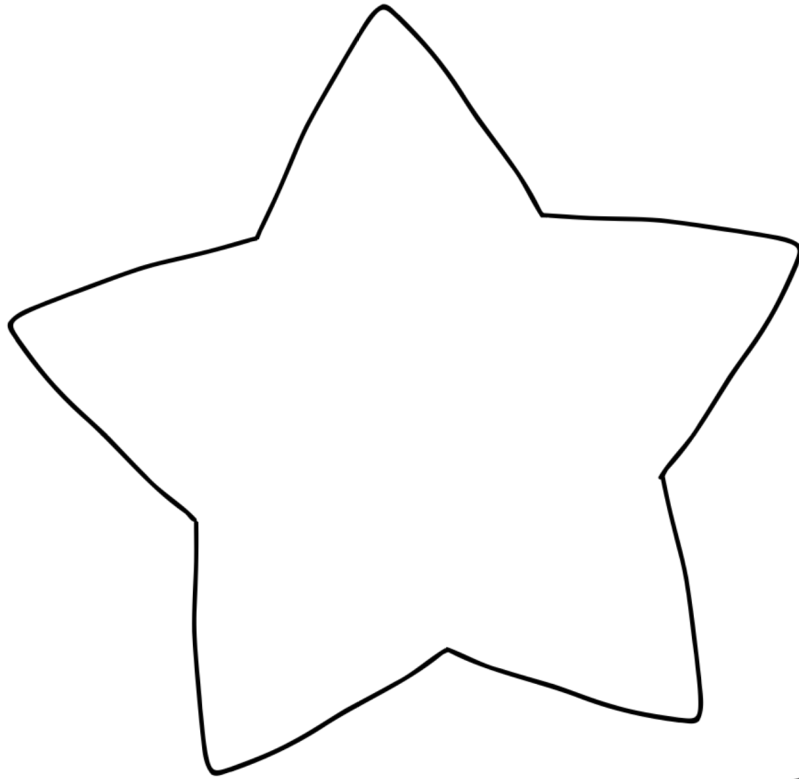


Planet Game

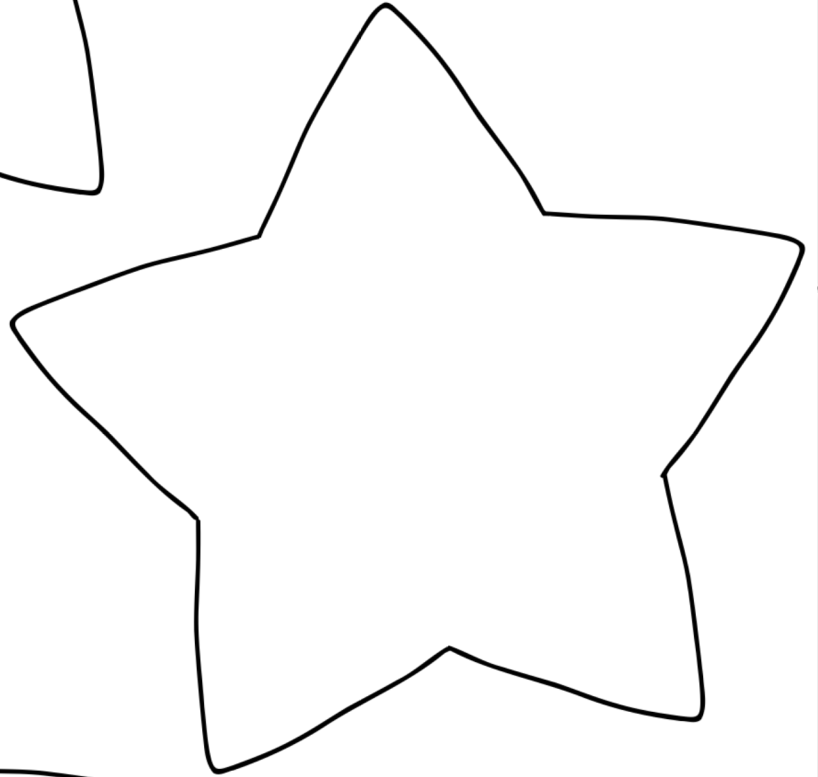
To play this game, you will need a dice (you can find one online you don't have a physical one) and a friend. Roll the dice and times the number by 5. Colour in or cross out the planet with your number on it. The person with the most coloured planets win.



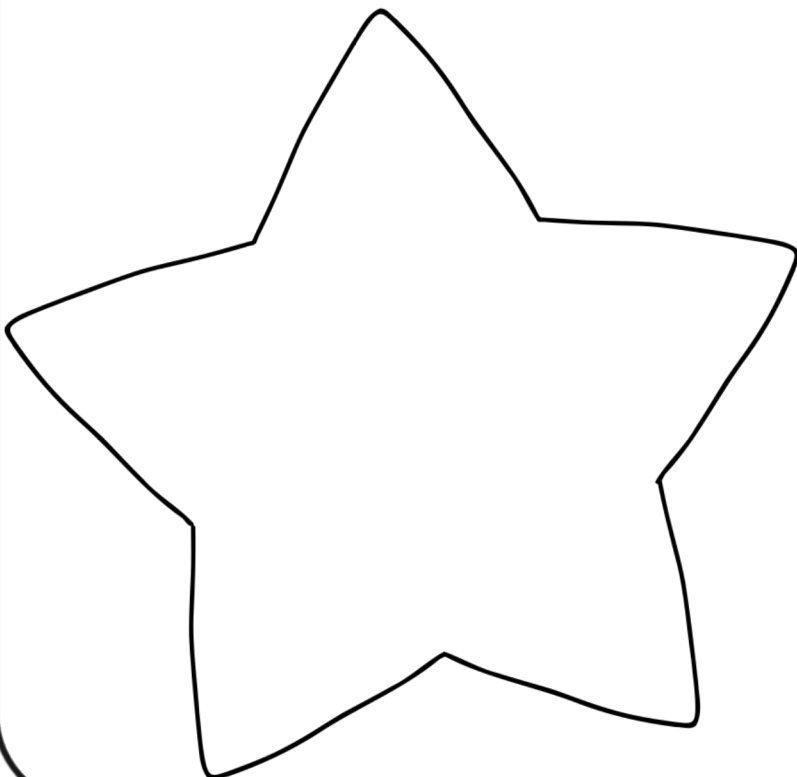
I am a Star



1. Something that makes me special.



2. Something that I am proud of.



3. Something that I love about myself.

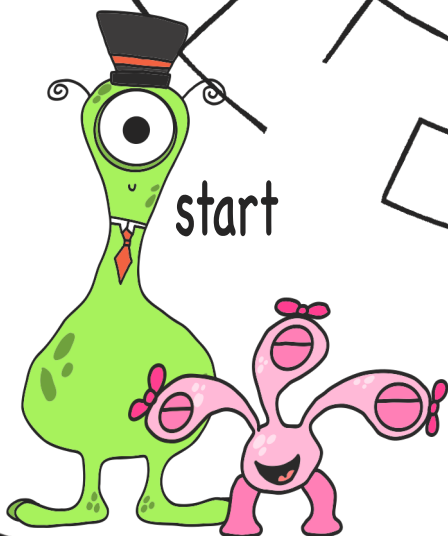
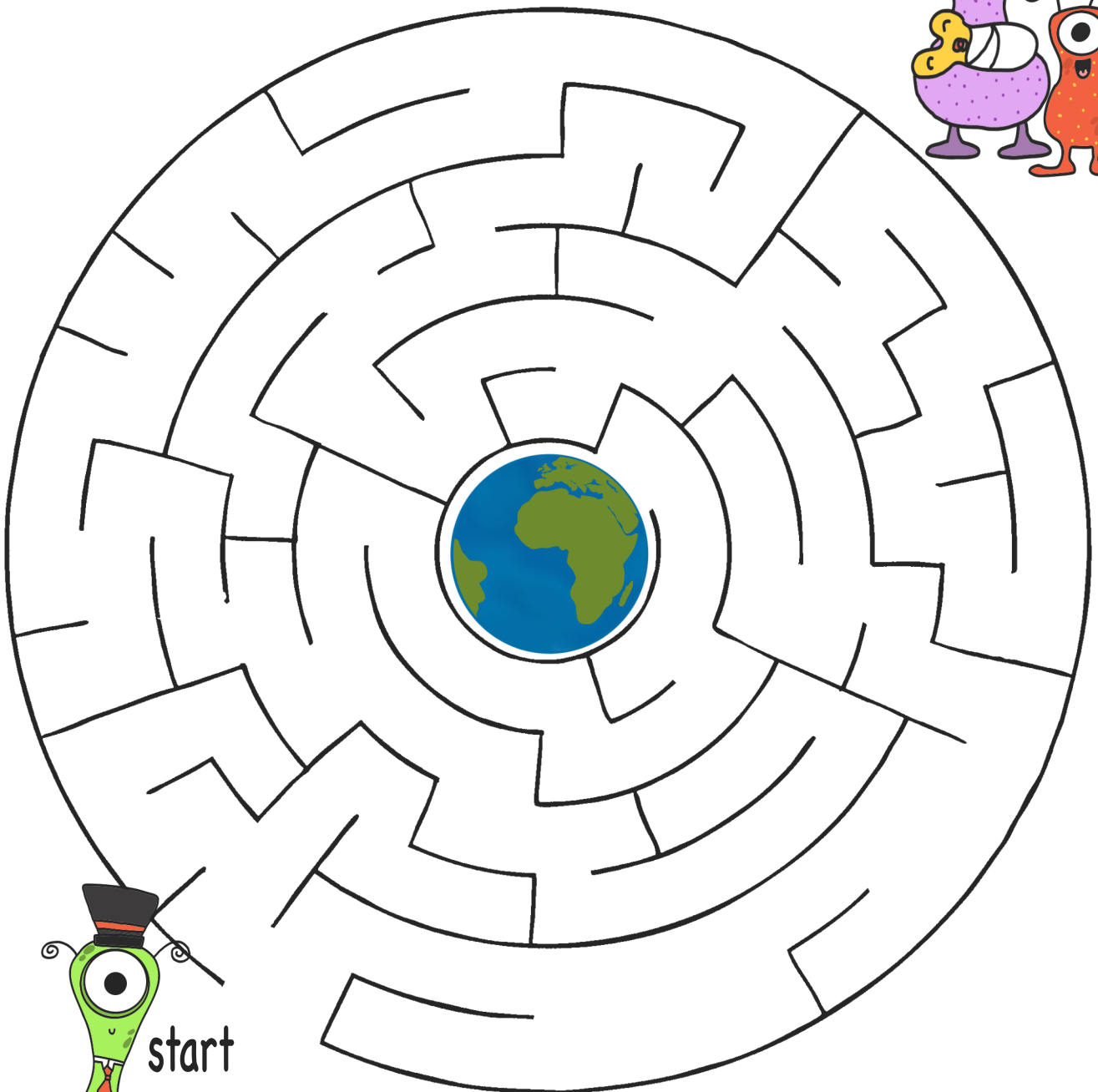
Spot Me In Space

Can you find all the objects on the list?



Alien Maze

Help the aliens travel to Earth for their interstellar family vacation.



start

Learn about me

The moon is a piece of rock about a quarter the size of Earth. It has mountains, volcanoes, and craters. The moon is often hit by meteors and space debris. It is Earth's natural satellite meaning it orbits around Earth.

The moon has a synchronous rotation which means it rotates at a similar speed to us, so we only ever see one side of the moon. That is why we see the moon in a variety of phases.

The moon does not make its own light. We can see it in the night sky because, it's reflecting the light of the sun. It is actually quite dark on its surface.



Learn about me

The moon has 8 main phases over a month.

As the moon orbits Earth it appears to reflect different amounts of sunlight and it looks like it changes shape.



1. New Moon



2. Waxing Crescent



3. First Quarter



4. Waxing Gibbous



5. Full Moon



6. Waning Gibbous



7. Last Quarter



8. Waning Crescent

A Space Story



1 There are thousands of folklore about the moon but, today, we are going to look at one from Polynesia.

2 The story starts with a beautiful, young lady called Hina. She had always wanted to live in the heavens.



3 Then one day, while collecting water from the local stream, Hina saw something spectacular.

A Space Story



1 It was a rainbow coming from the moon with colours green, purple, blue, orange and maroon. Hina did what we would all do.

2 She excitedly ran up the rainbow bridge to get a better view, hoping it would lead her to the heavens.



3 Legend says she is still up there, watching the world below. What do you think she is doing.

Astronaut's Code

Each symbol represents a letter. Can you help the astronaut's break the code and work out where they need to go?

♣	◇	⌘	●	□	▽	◎	♥	←	☆	⚙	⊛	+
A	B	C	D	E	F	G	H	I	J	K	L	M

★	⊗	😊	▲	▣	❄	△	◐	▼	✧	◆	⊠	
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

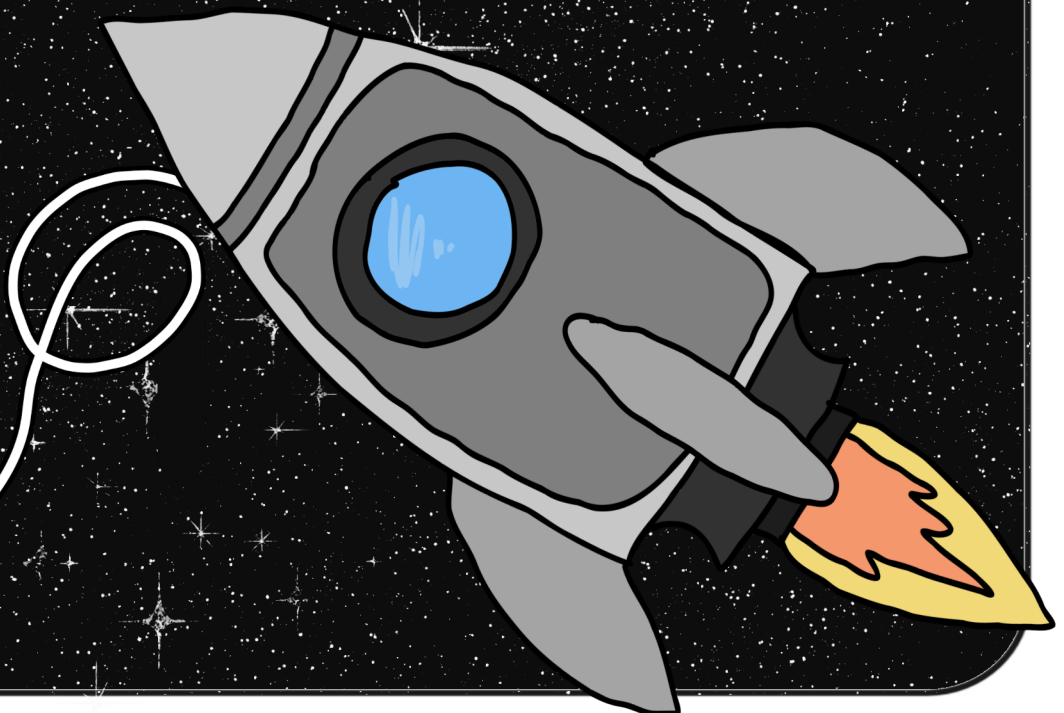
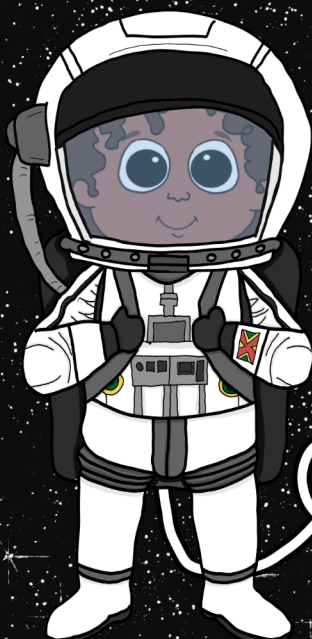
◇	⊛	♣	❄	△

⊗	▼	□	▣

△	⊗

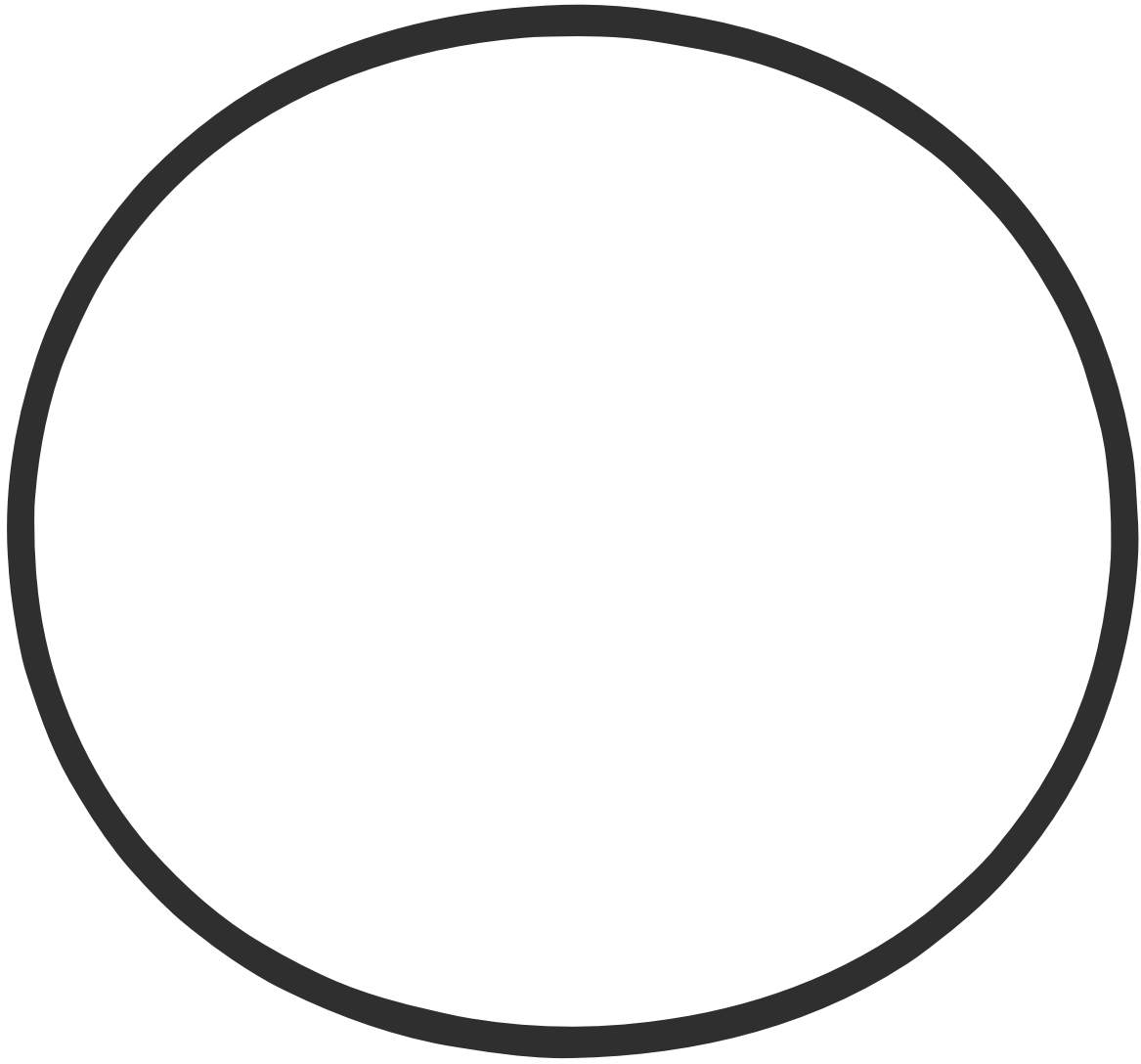
❄	◇	△	◐	▣	★	❄	
						,	

▣	←	★	



Competition Time

Design a planet to share with our community.



What would you name your planet? What makes it special?

A rectangular box with wavy, torn-paper edges on the left and right sides, intended for a child to write the name of their planet and what makes it special.

Tag us on social media with your picture



@dottiecue



@dottiecue