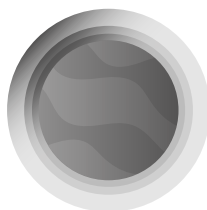
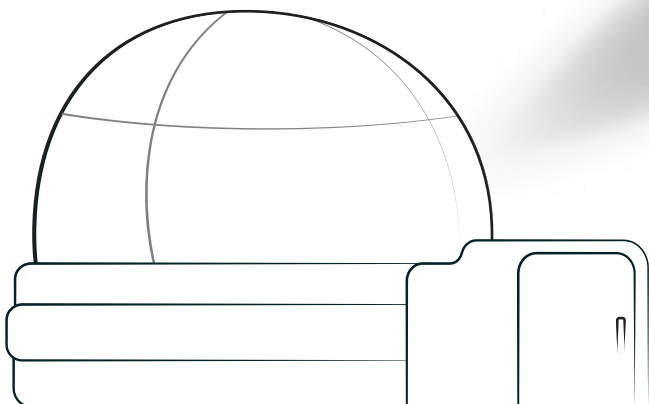
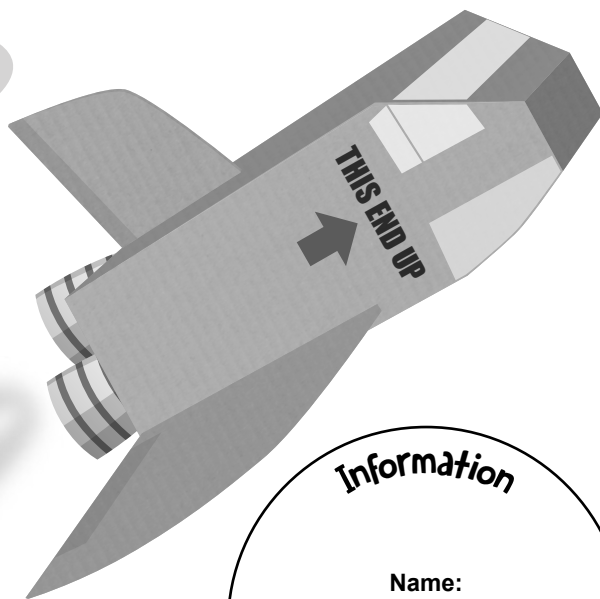


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COLOR ME

BEFORE THE SPACE EXPLORATION



Information

Name: _____

Date: _____

The Universe

The Universe is made up of galaxies, nebulae, stars, planets, satellites, asteroids, comets, dwarf planets, and other stars (celestial bodies).

GALAXIES: they are large groups of millions of stars and nebulae.



STARS: they are large spheres of gas that emit light.



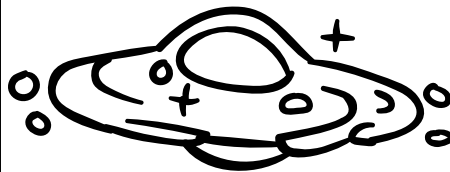
ASTEROIDS: they are rocky bodies that revolve around a star or a planet. Those that collide with stars or planets are called meteorites.



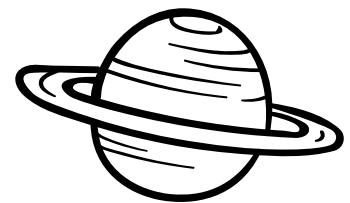
COMETS: they are balls of dust and ice with water vapor tails, which shine when passing near the stars.



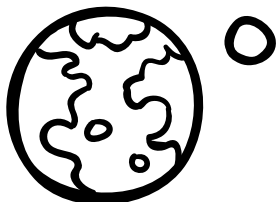
NEBULAE: they are clouds of gas and dust from which the stars form.



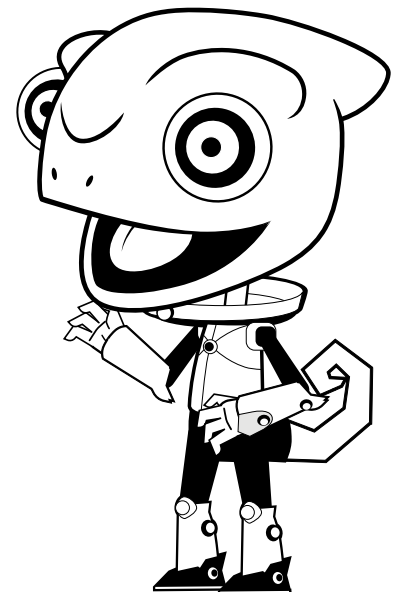
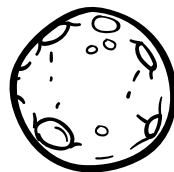
PLANETS: they are rocky or gaseous and spherical bodies, which revolve around a star. They have no light of their own.



SATELLITE: they are bodies of different sizes that revolve around a planet.



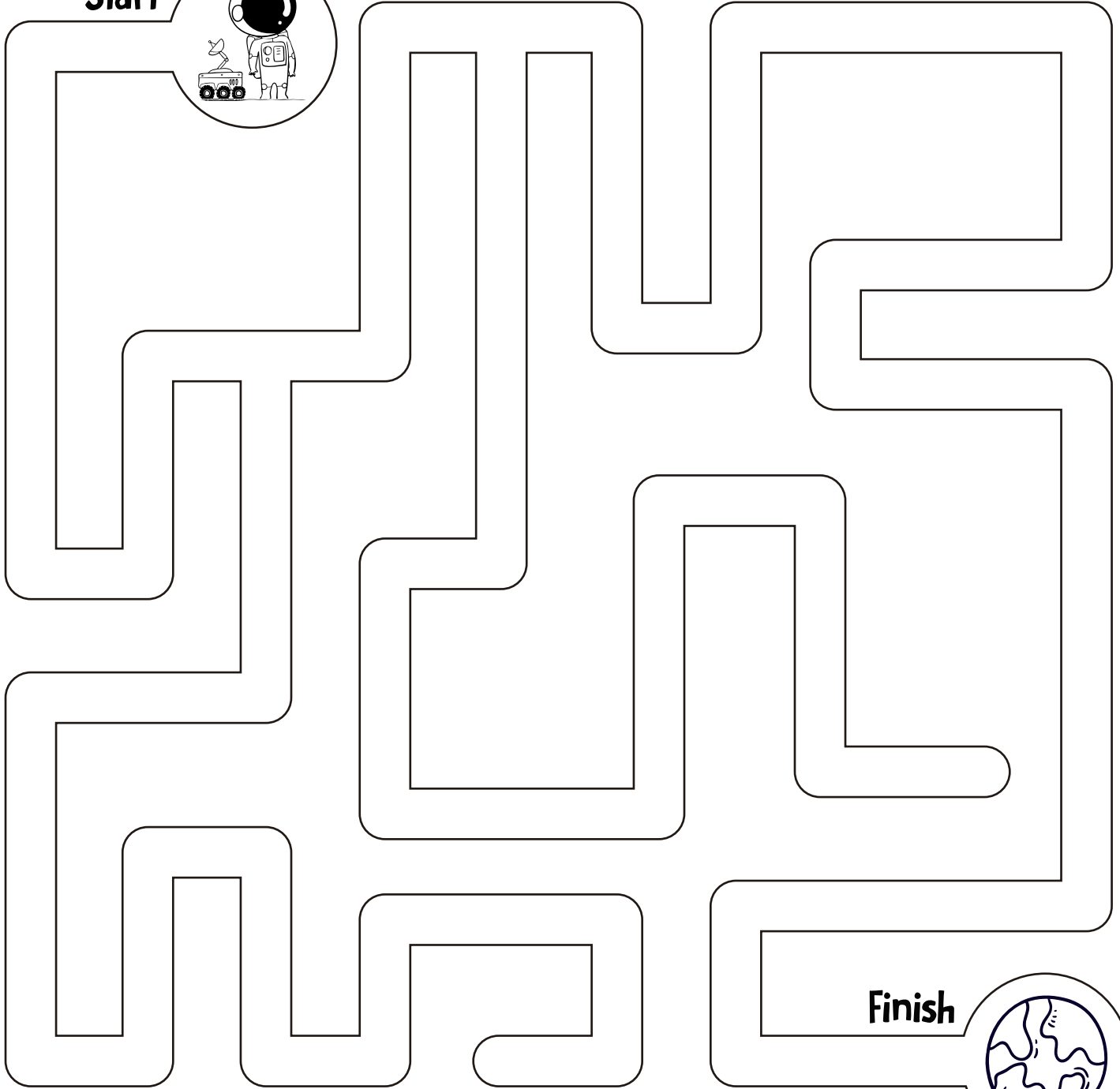
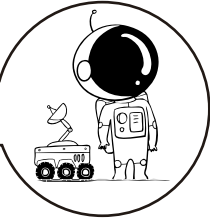
DWARF PLANETS: they are spherical bodies smaller than planets.



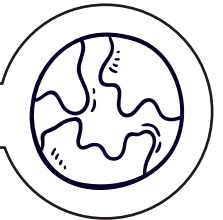
ACTIVITY

Help our friend the astronaut to find his way back to Earth!

Start



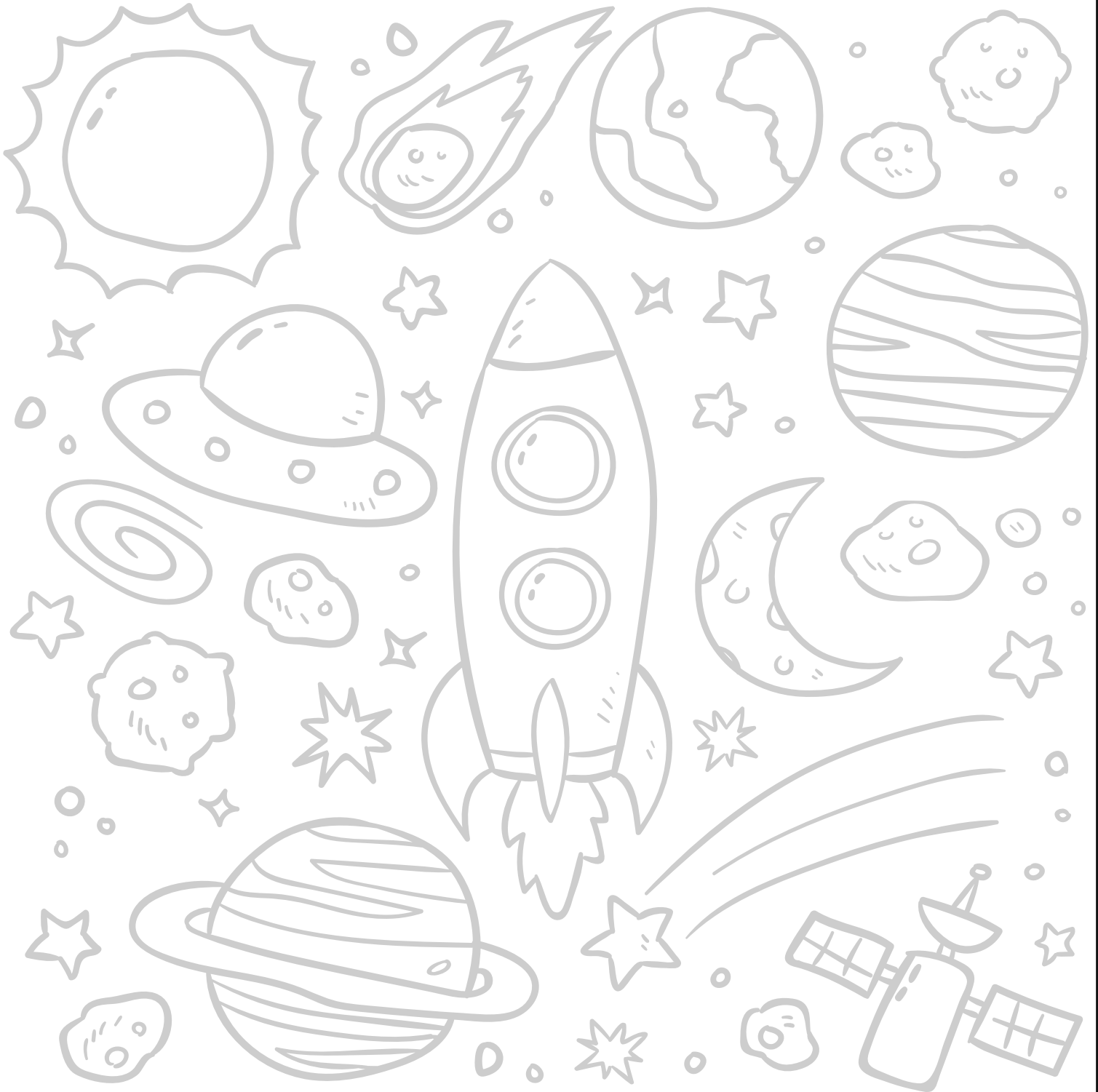
Finish



GREAT WORK NOW HE'S SAFE BACK HOME!

ACTIVITY

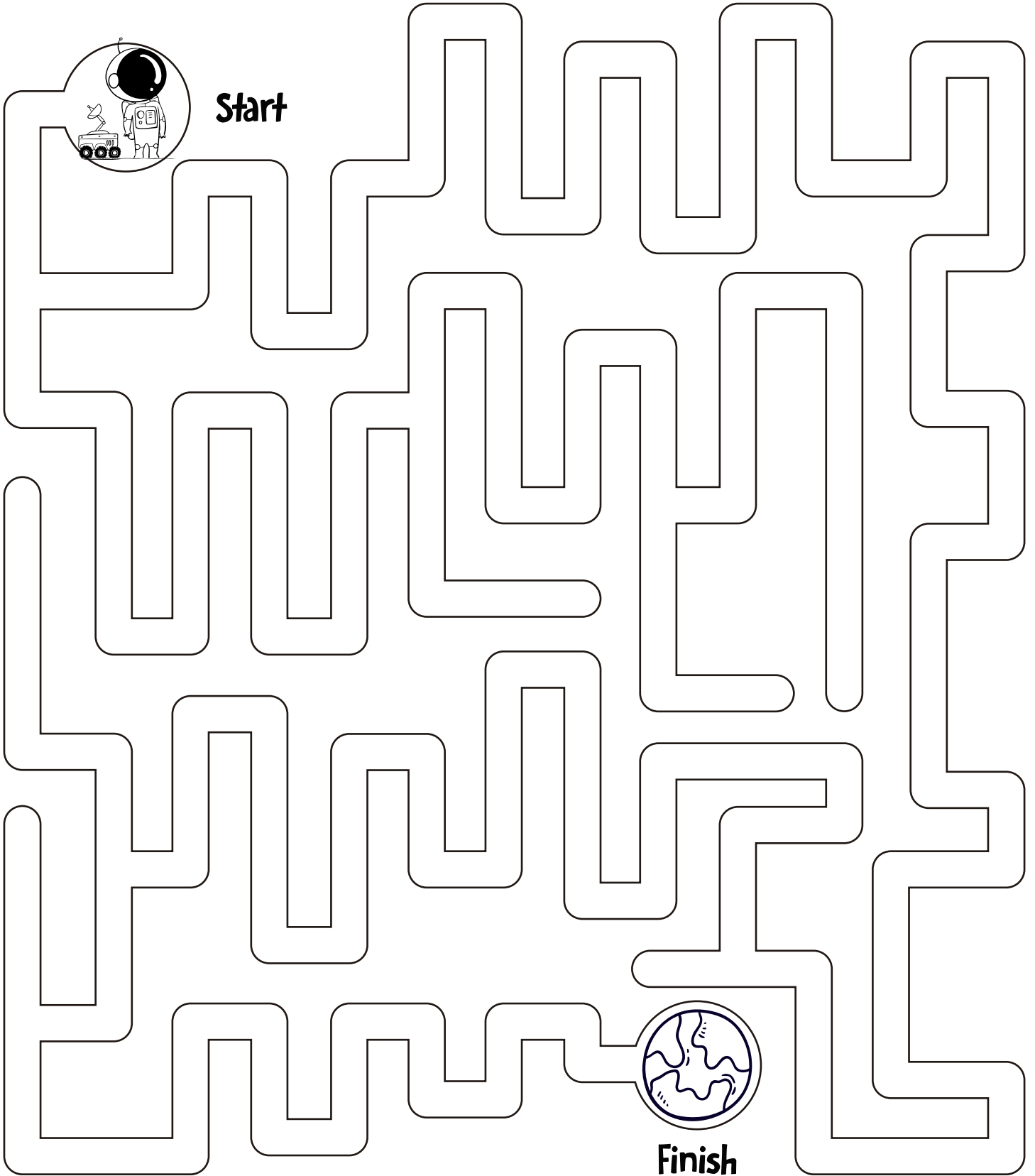
Have fun coloring some things that you can find in space:



YOU ROCK!

ACTIVITY

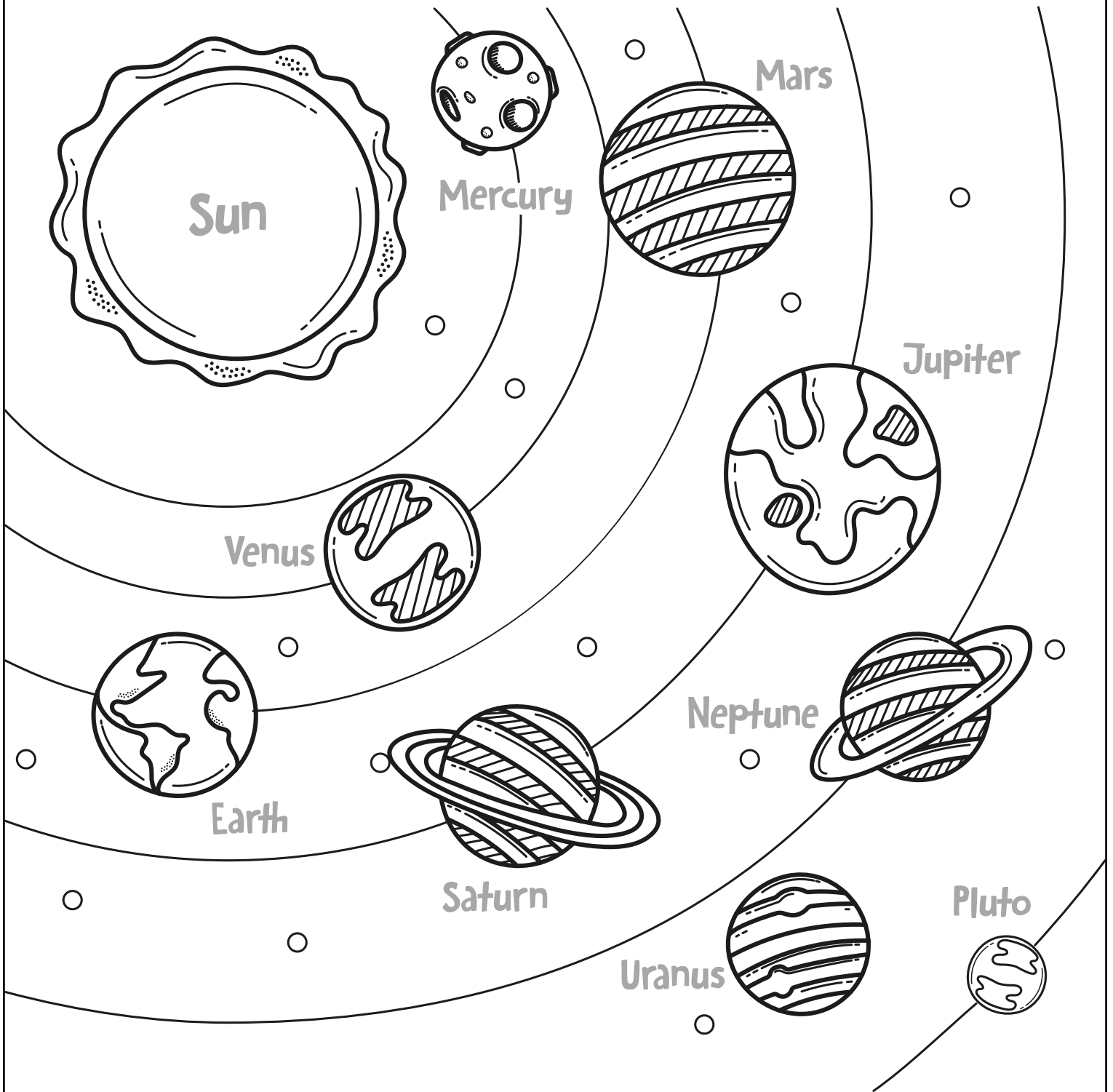
Help our friend the astronaut to find his way back to Earth!



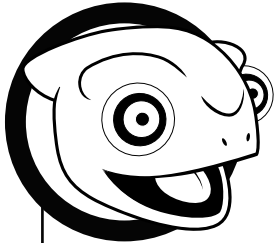
NOW HE'S SAFE AND SOUND ON EARTH!

ACTIVITY

Color the following image of the planets in the solar system.

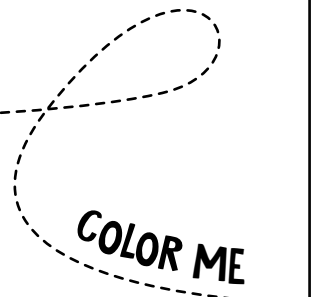


SOLAR SYSTEM NEVER LOOKED SO GOOD!

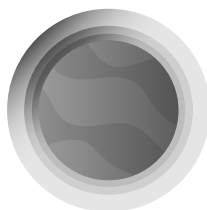
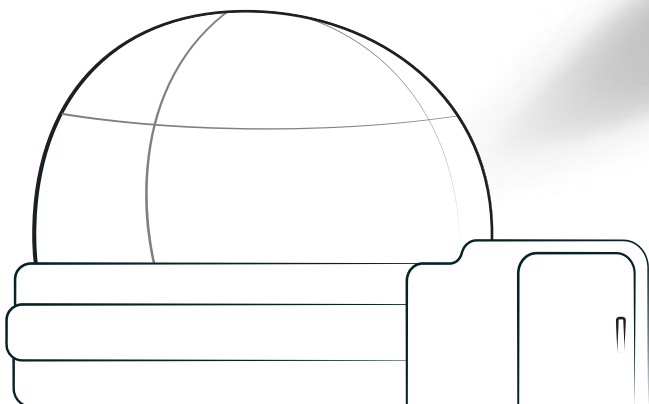


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SPACE EXPLORATION After-show activities



SPACE EXPLORATION
DIGITAL ACTIVITIES

ACTIVITY

Let's play a little online, scan the QR codes to discover more activities:

QR 1

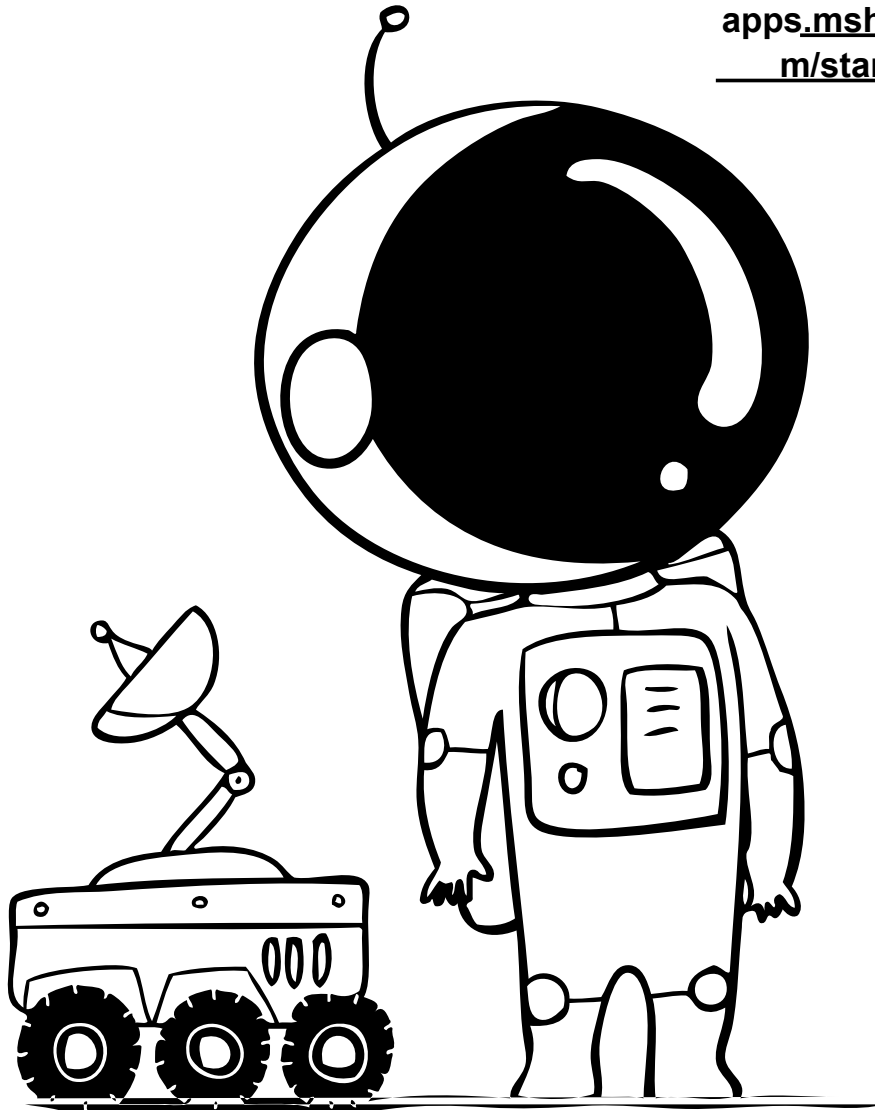


<https://apps.msholdinggroup.com/756-2/>

QR 2

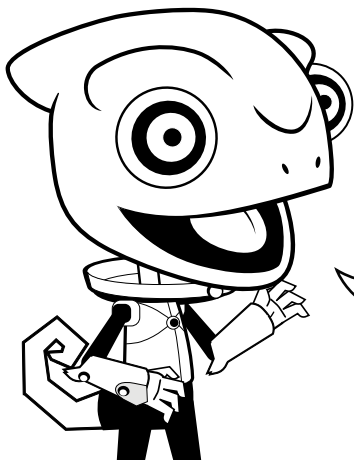
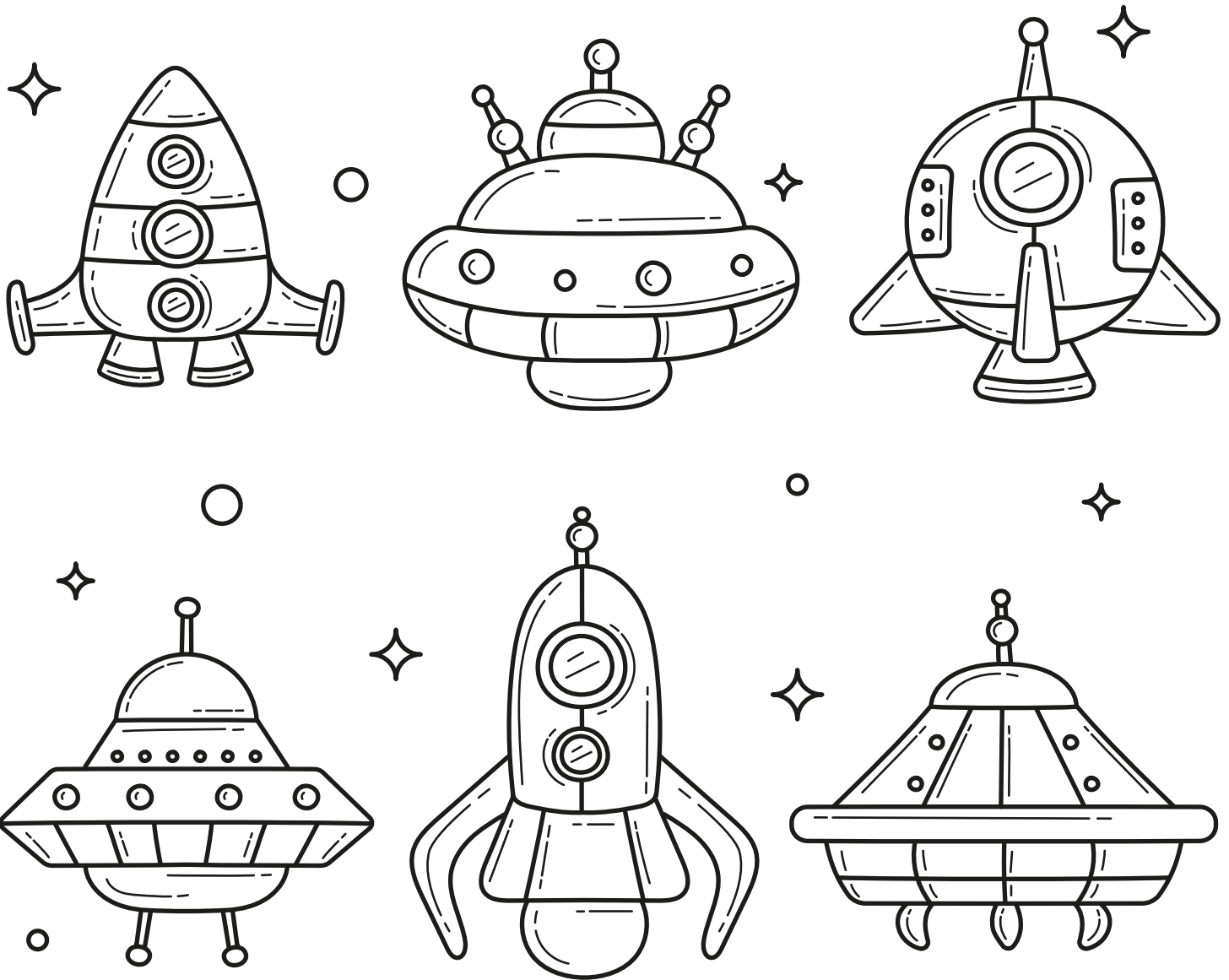


[https://
apps.msholdinggroup.co
m/stars/stars.html](https://apps.msholdinggroup.com/stars/stars.html)



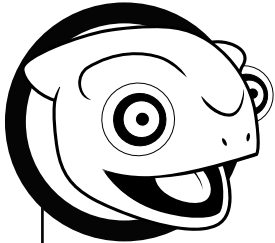
ACTIVITY

Color the spaceships and let's play a little online, scan the QR code to discover the activity:



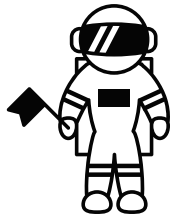
QR 3



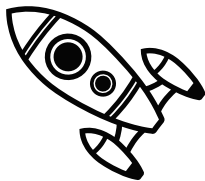


ACTIVITY

Draw a line matching the words to the pictures:



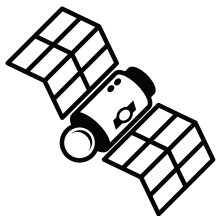
○ Lander



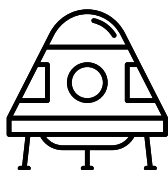
○ Astronaut



○ Earth



○ Satellite



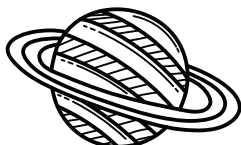
○ Spaceship



○ Saturn



○ Capsule

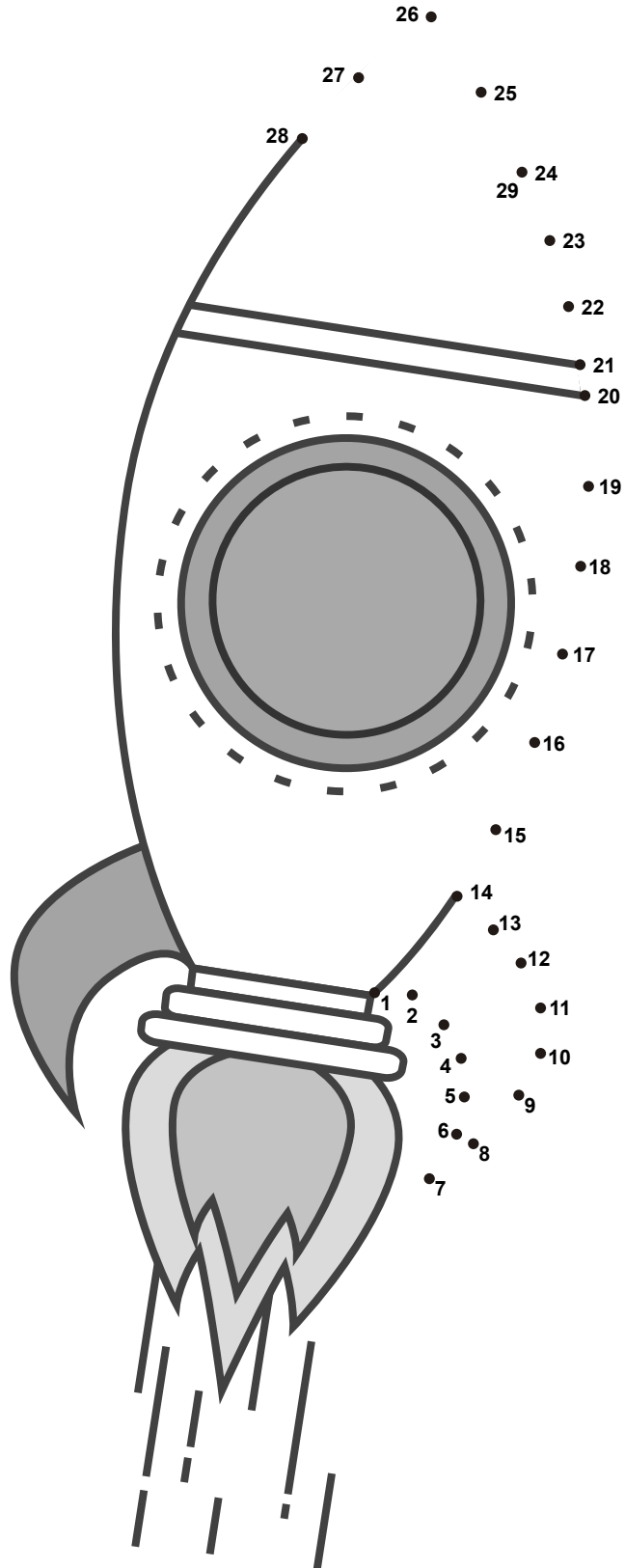


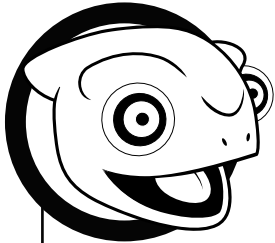
○ Alien

ACTIVITY

Do you remember what the book explained in the show?
 Write a little story with the information you remember best about your trip through
 the solar system.

MY SPACE TRIP





ACTIVITY

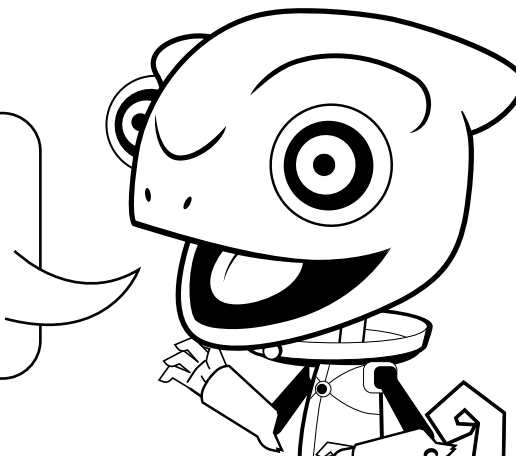
There are 8 planets hidden in the puzzle below.
Find them and write them down.

A	M	J	F	S	A	T	U	R	N	Y	I	P	Q	G	A	V	J	G	V
F	E	R	N	E	P	T	U	N	E	N	M	R	J	S	N	O	U	M	Z
V	R	T	V	L	N	I	C	M	Y	C	X	S	I	G	N	M	P	A	W
A	C	E	E	G	E	E	F	Z	N	E	A	R	T	H	K	V	I	R	K
H	U	Y	N	N	U	N	B	F	A	W	T	H	U	K	W	M	T	S	Z
B	R	E	U	C	T	C	B	A	D	C	Q	P	J	D	K	L	E	I	O
J	Y	D	S	C	S	X	G	M	X	O	P	L	X	D	Y	S	R	U	I
Y	I	W	A	D	U	R	A	N	U	S	Z	C	F	I	K	O	V	W	F

1	_____
2	_____
3	_____
4	_____

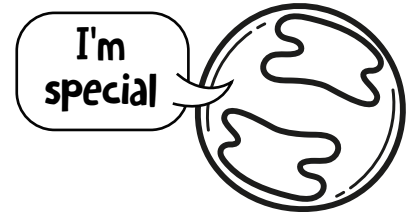
5	_____
6	_____
7	_____
8	_____

FUN REVIEW:
Look the next video
and scane the QR code:

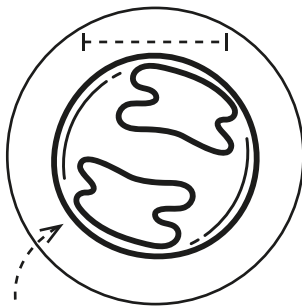


The Pluto Debate

In 2006, the International Astronomical Union (IAU) defined new rules to about what a planet is (and is not). According to them, a planet must:

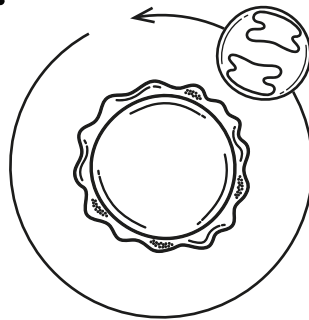


1. Have a round shape

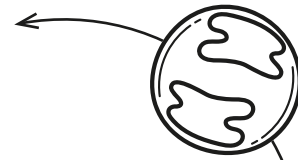


Almost Round

2. Orbit the sun



3. Be large enough to "clear" its orbit.



For the IAU, Pluto does not meet this last rule, which is actually how Pluto earned the name "Dwarf PLANET".



But according to a new proposal from a group of American scientists, only the FIRST TWO RULES should count, meaning Pluto would have to be considered a planet again. In 2018, the director of NASA returned Pluto back to its previous place as the 9th planet of the solar system – and in 2020, the International Astronomical Union changed it's mind, and categorized Pluto as a planet yet again (even though they had taken the title away in 2006!).

More information in:
Why It Took 14 Years to Lose the Name "Dwarf Planet".

<https://www.space.com/pluto-is-a-planet-nasa-chief-iac-2019-video.html>

