



ACTIVITY PACK

Dear Educator,

Engaging students in science can be incredibly rewarding and enjoyable. We recommend utilizing this Activity Packet to bring a sense of excitement to your classroom lessons. This packet complements **PROFESSOR WOW'S SPACE ADVENTURES SCIENCE SHOW**. The activities on the following pages are tailored to grade levels K-5. These activities are best utilized after the show when students are highly enthusiastic about the wonders of outer space.



**WHAT IS THE COOLEST
THING ABOUT SPACE?**

**There are more stars in the
universe than grains of sand
on all the beaches on Earth.**

MISSING LETTERS of Our Solar System



Our solar system consists of our star, the **Sun**, and everything bound to it by gravity — the planets **Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus** and **Neptune**, dwarf planets such as **Pluto**, dozens of moons and millions of asteroids, comets and meteoroids.

Fill in the missing letter of the planet:

U ANUS

NE TUNE

MERCURY

SA URN

SU

VE US

UPITER

M RS

EA TH

CIRCLE THE PLANETS



Mercury, Venus, Earth, and Mars are often called "terrestrial planets" because they are mostly made of rock and metal.

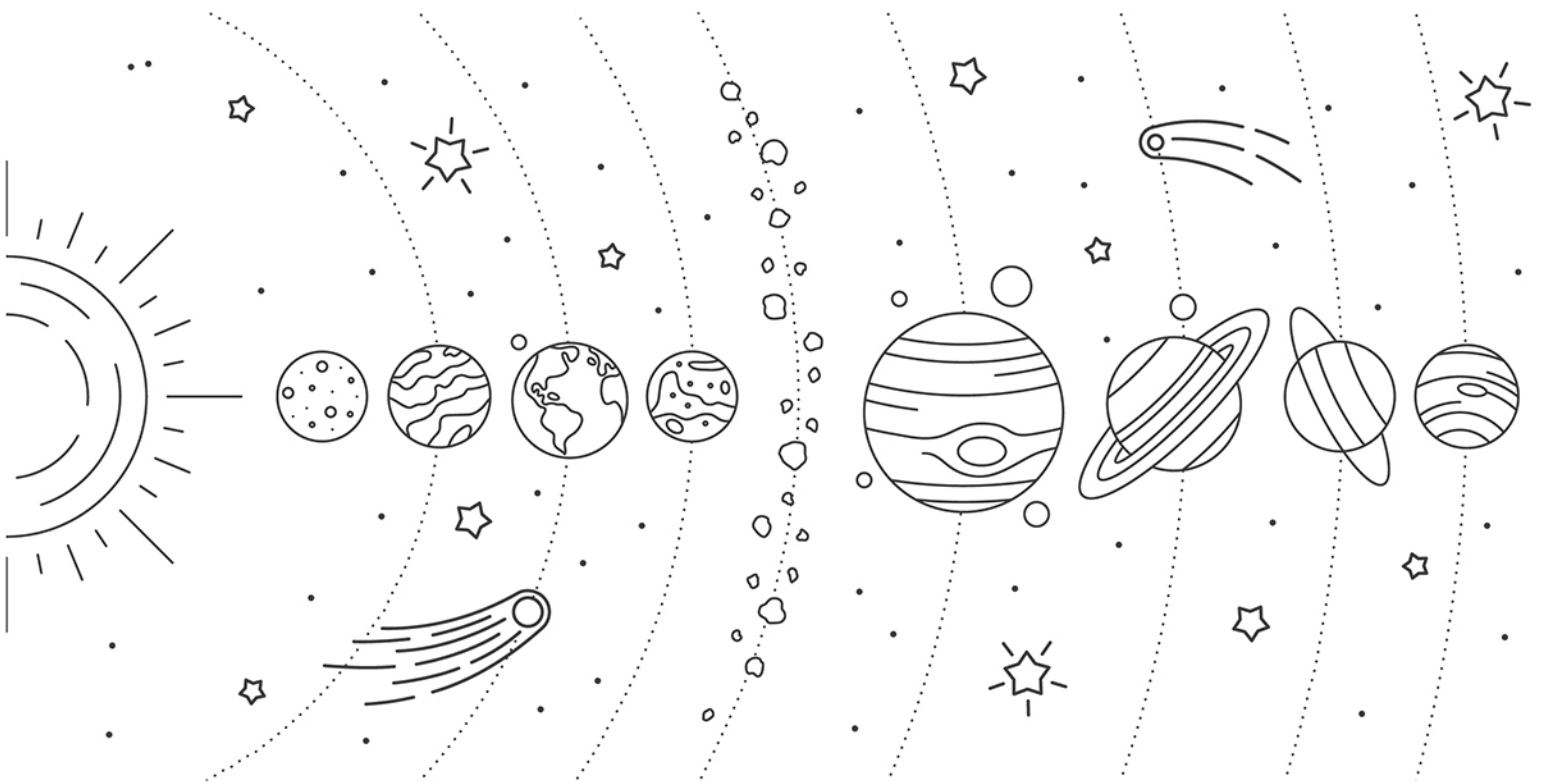
Jupiter, Saturn, Uranus, and Neptune are known as the "gas giants" because they are mostly made of gases like hydrogen and helium. They are much larger than **Earth**, and have many moons and rings.

Most asteroids orbit the **Sun** in the main asteroid belt between **Mars** and **Jupiter**.

1-Circle the inner or terrestrial planets in RED.

2-Circle the outer planets in BLUE.

3-Circle the asteroid belt in GREEN.



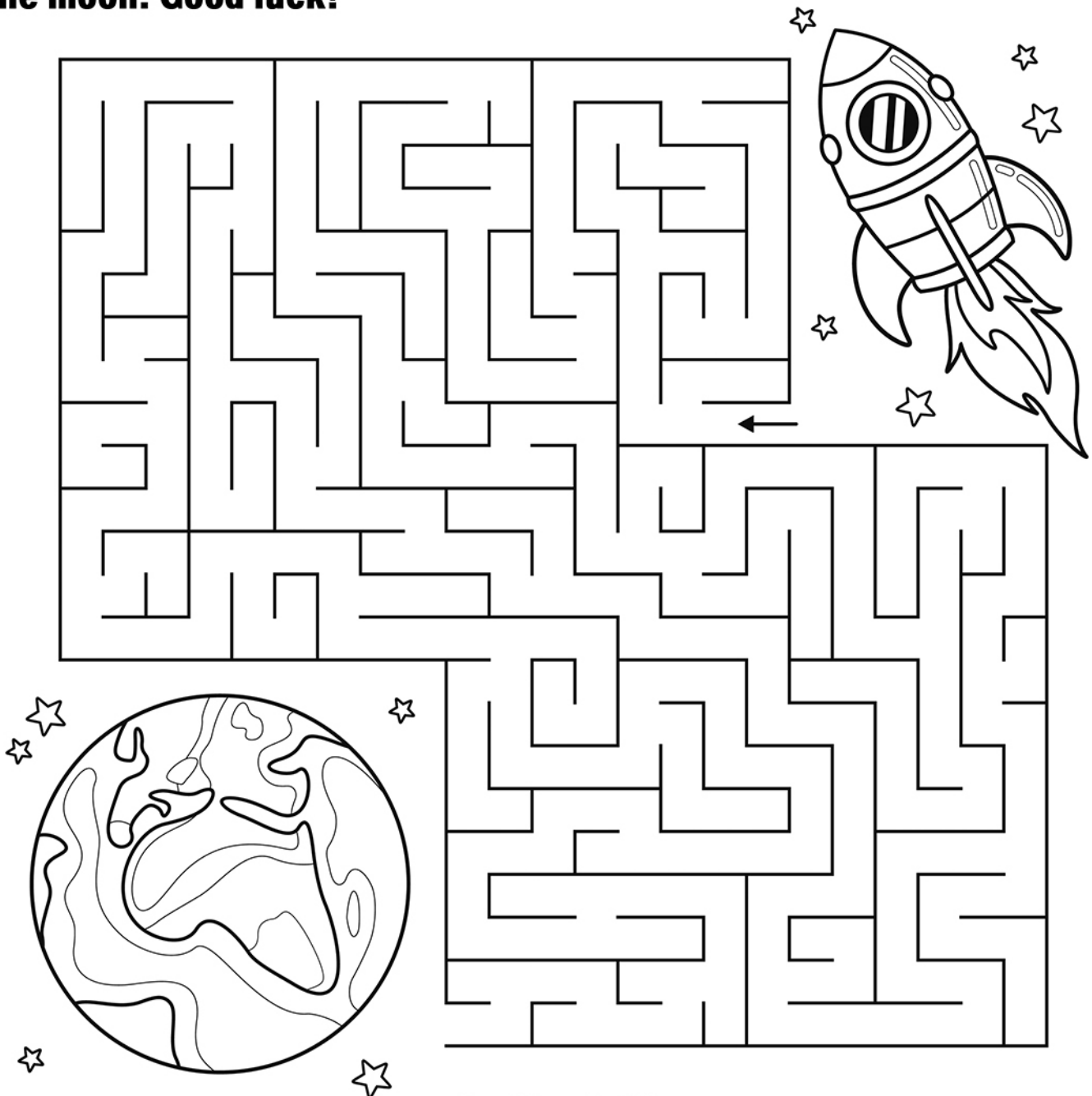
TO THE MOON AND BACK



What Is Our Moon?

Did you know that the moon is like a big, rocky ball that circles around the Earth? It reflects light from the Sun, making it look bright at night. Because of its movement around the Earth, we see different parts of the Moon lit up, which is why it appears to change shape throughout the month, like a crescent, half moon, or full moon. Cool, right?

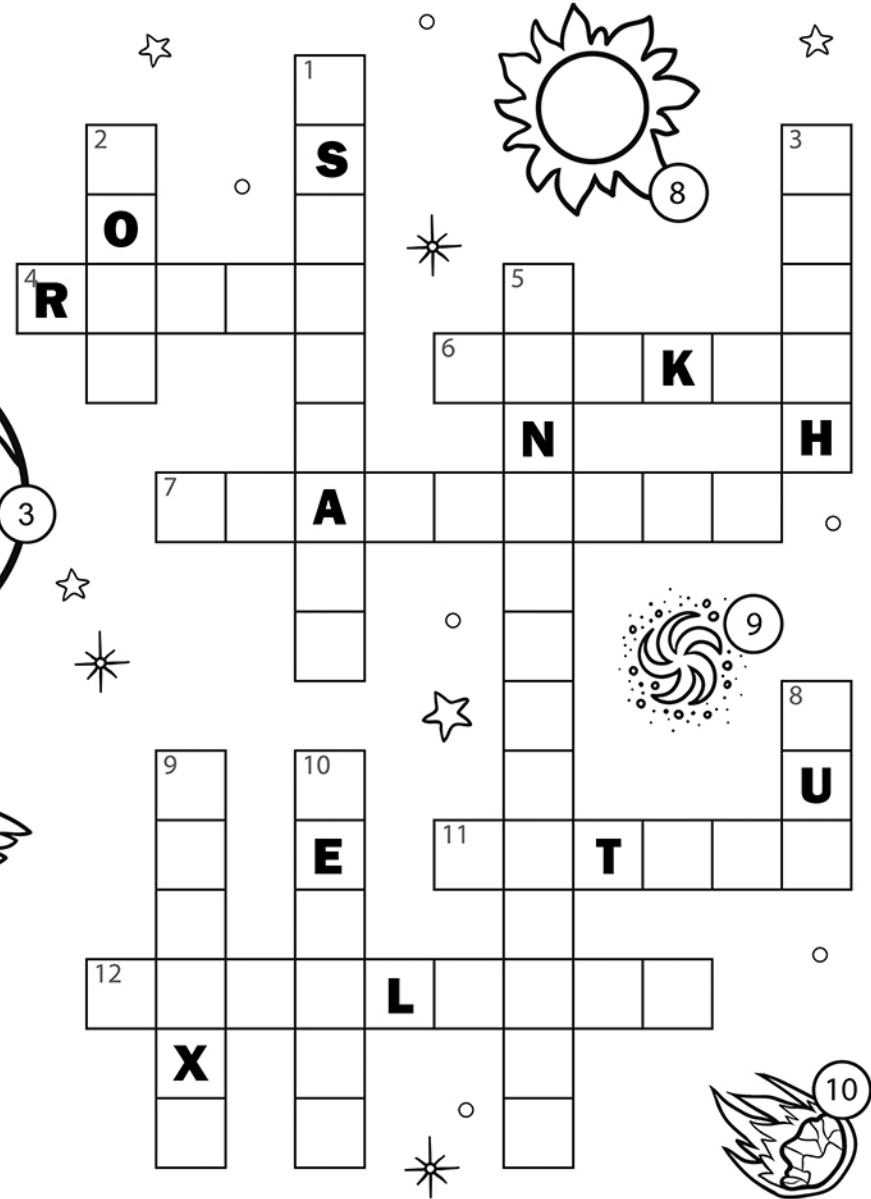
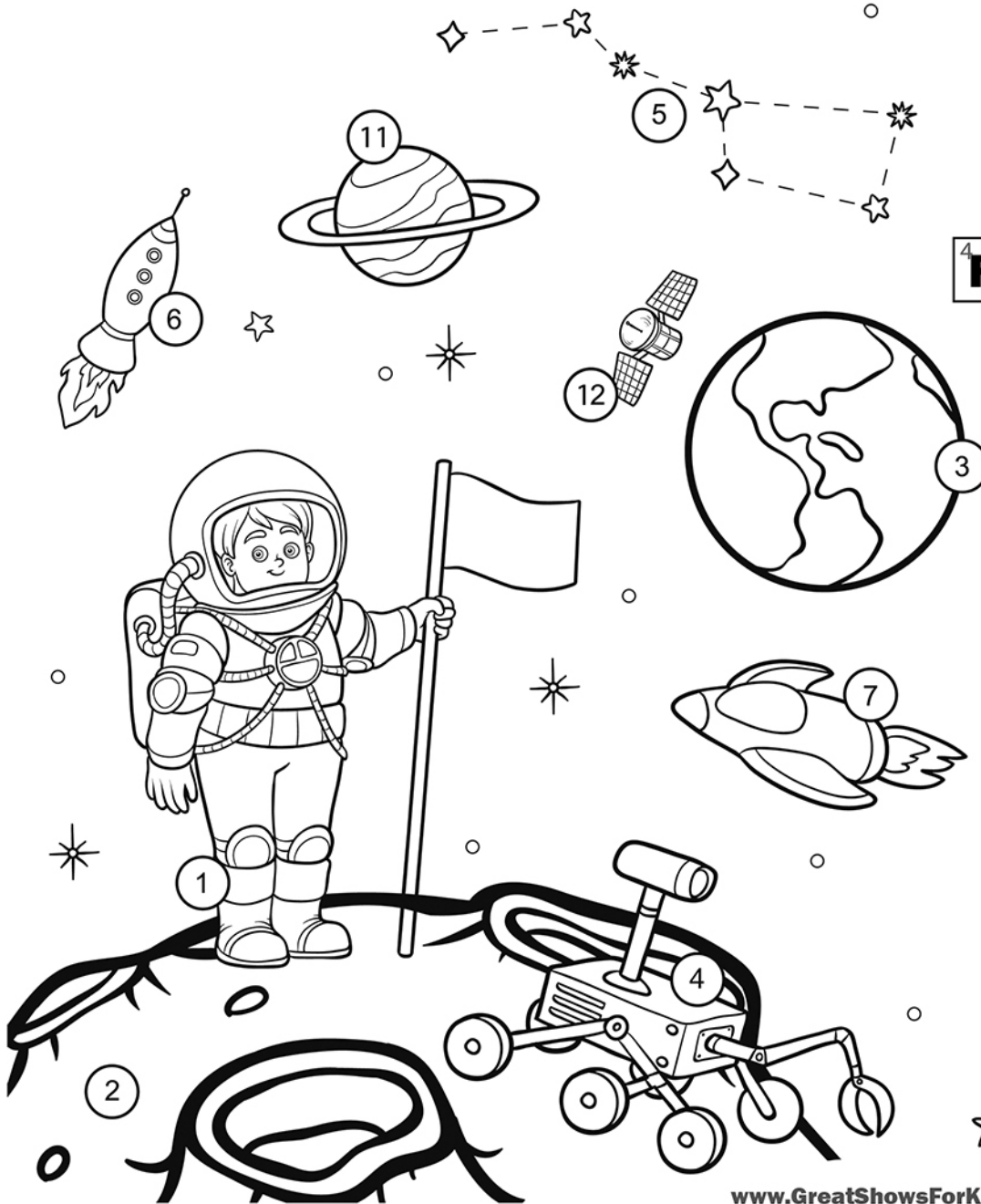
Draw a line from your rocket ship through the maze all the way to the moon. Good luck!



ASTRONAUT CROSSWORD PUZZLE

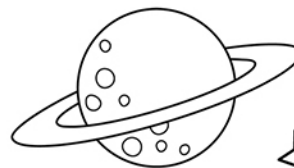
Astronauts are scientists who travel into space to study the universe and perform experiments.

Write the word of the image in the crossword grid:



Answer
ACROSS: 4. Rover 6. Rocket 7. Spaceship 11. Saturn 12. Satellite
DOWN: 1. Astronaut 2. Moon 3. Earth 5. Constellation 8. Sun 9. Galaxy 10. Meteor

HIDDEN WORDS OF OUR GALAXY



WORD SCRAMBLE

NAUTASTRO:

NETLAP:

KETCOR:

WORD FIND

A	S	T	U	S	☆	R
S	S	R	P	F	A	O
T	A	O	N	P	O	C
A	T	E	A	L	A	K
R	C	L	U	T	N	E
A	☆	L	I	T	E	T
L	I	E	N	E	T	E

ASTRONAUT
SATELLITE

STAR

ALIEN

UFO

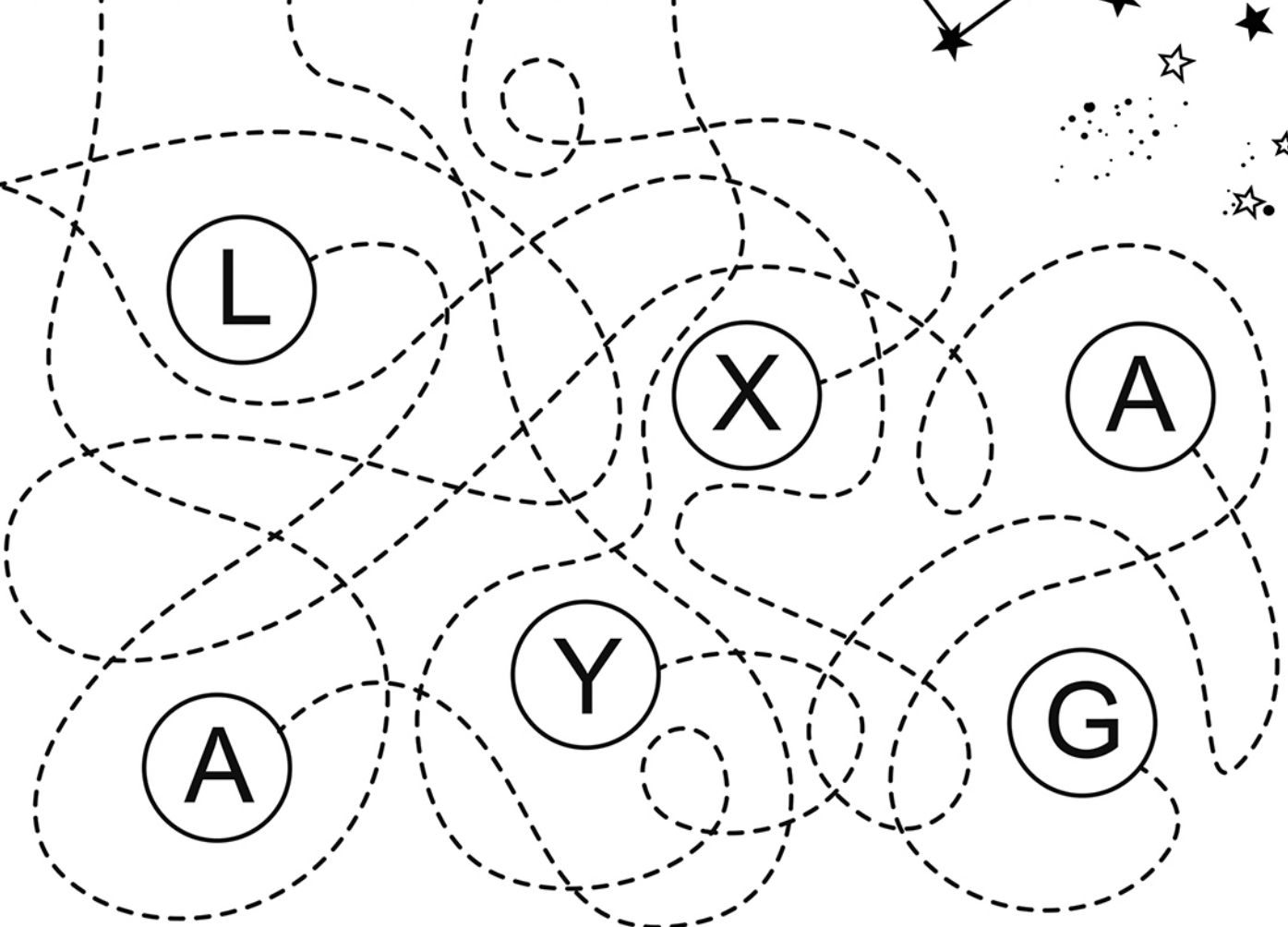
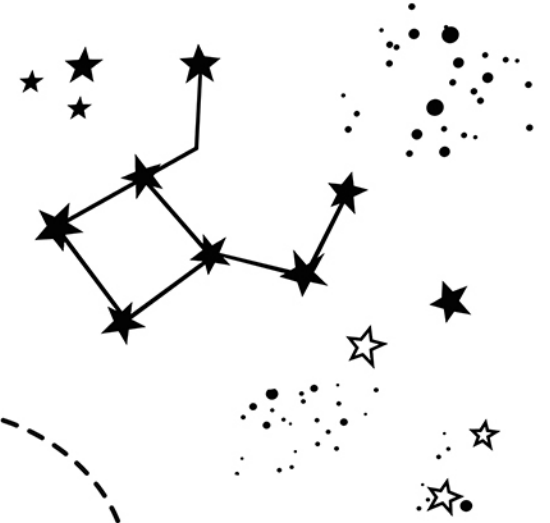
PLANET

ROCKET

OUR MILKYWAY

The Sun, Earth, and the other planets of the solar system are part of the Milky Way galaxy. A galaxy is a group of stars, clouds of gas, and dust particles that move together through the universe. There are billions of galaxies in the universe. They probably formed billions of years ago, soon after the universe began.

□ □ □ □ □ □



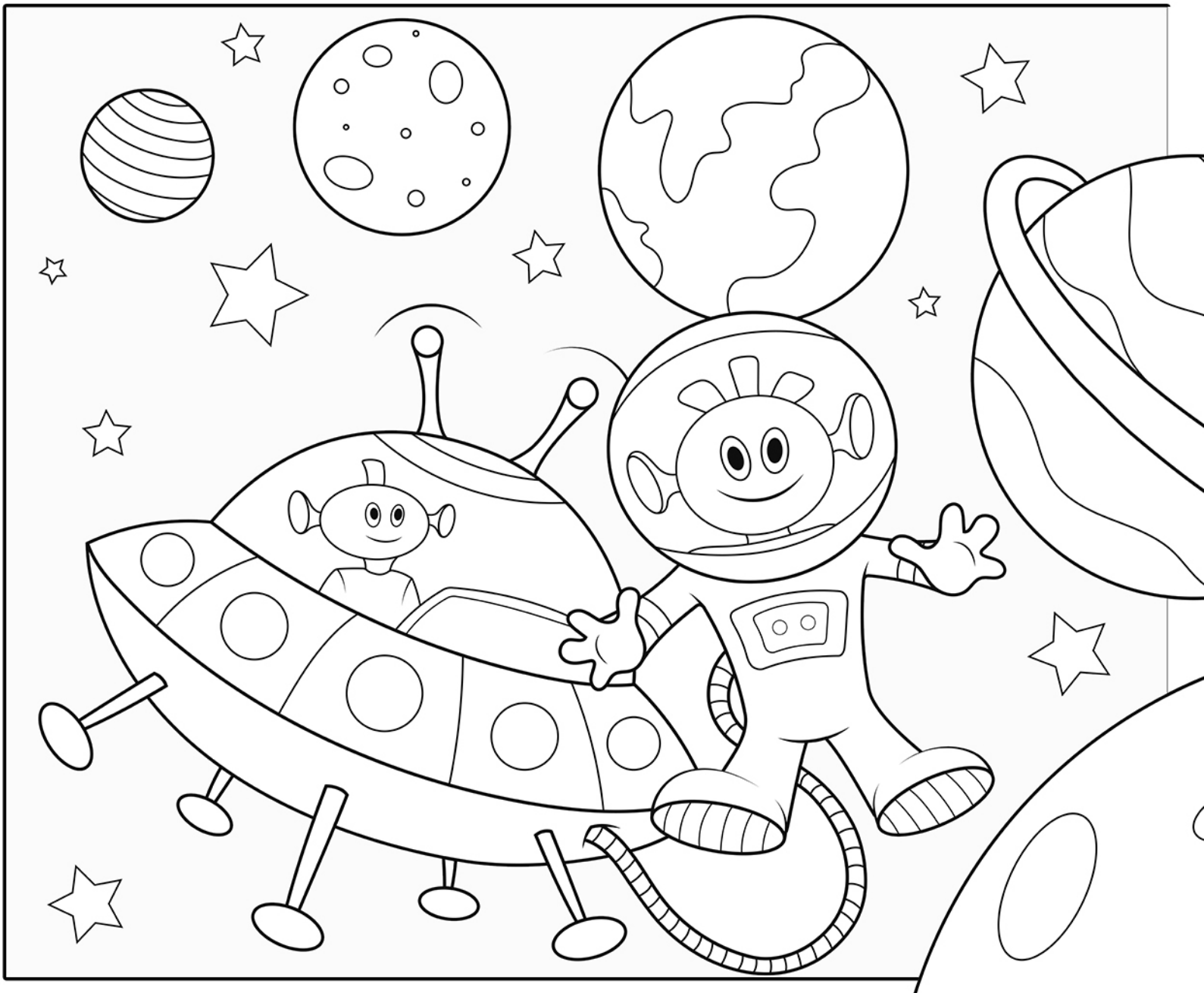
WHAT IF . . .

Are there Aliens?

The hunt for life beyond Earth has only just begun, but so far, things are looking up. Our galaxy is packed with loads of planets, some pretty similar to ours. But there's still a ton we don't know.

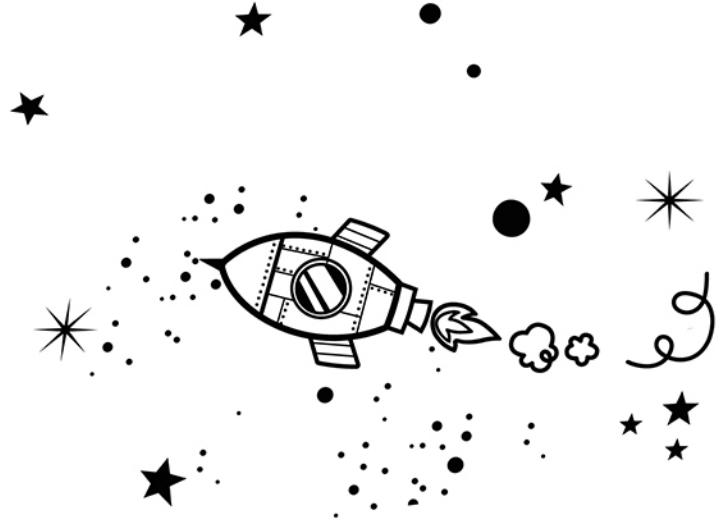


Color the below picture:



AMAZING SPACE WEBSITES

- ★ SpacePlace.nasa.gov
- ★ nasa.gov/learning-resources/nasa-kids-club/
- ★ OurUniverseForKids.com
- ★ kids.nationalgeographic.com/space
- ★ astronomy-kids.com
- ★ planetary.org



COOL FACTS ABOUT SPACE:

- **One million Earths can fit inside the Sun!**
- **A year on Venus is shorter than a day!**
- **You could float on Saturn!**
- **No air in space means no sound!**
- **The Moon's gravity is only 1/6th of Earth's!**
- **Mars has the largest volcano in the solar system!**
- **It rains diamonds on Neptune!**
- **Astronauts grow taller in space!**
- **A Day on Mercury lasts 59 Earth days!**
- **The footprints on the Moon are still there!**
- **Black holes have an incredible gravitational pull!**

