



# VILLAGE LEARNING LAB

PREPARED TO SOAR

## BUILD YOUR OWN SOLAR SYSTEM

Color • Cut • Create • Explore

A Hands-On STEM Adventure for Young Explorers

*Because curiosity is the first step toward discovery.* 🚀❤️✨

# **Build Your Own Solar System**

## **Prepared to Soar Beyond the Stars**

At Village Learning Lab, we believe learning should be hands-on, creative, and full of wonder. In this activity, young explorers will build their very own Solar System using simple materials found at home.

Color it. Cut it. Build it. Hang it. Display it.

The universe is yours to explore.


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## **Materials**

 Scissors

 Crayons, markers, or colored pencils

 Glue

 Yarn or string

 Cardboard, poster board, or construction paper (optional)

 Village Learning Lab Planet Cutouts

## **Mission: Solar System Explorer**


Your job is to create a model of our Solar System.

Can you place the planets in the correct order from the Sun?

 Sun

 Mercury

 Venus

 Earth

 Mars

 Jupiter

 Saturn

 Uranus

 Neptune

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## Choose Your Adventure

### Option 1: Solar System Mobile

Color each planet.

Cut out each planet.

Attach yarn to the back.

Hang your planets from a hanger, paper plate, branch, or stick.

Display your Solar System for everyone to see.

### Option 2: Space Board

Color and cut out your planets.

Glue them onto cardboard or poster board.

Arrange them in order from the Sun.

Add stars, rockets, astronauts, and your own discoveries.

### **Option 3: Planet Walk**

Lay the planets across the floor.

Walk from one planet to the next.

Read the facts about each world.

Imagine what you might see if you landed there.

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## **Parents: Did You Know?**

This activity looks like arts and crafts...

But it's secretly building important learning skills.

### **Fine Motor Development**

Cutting and coloring strengthen the muscles needed for handwriting.

### **Memory & Sequencing**

Children learn how to organize information and remember patterns.

### **Reading Readiness**

Planet names and facts build vocabulary and comprehension.

### **Early Math Skills**

Students compare sizes, positions, and order.

### **Spatial Awareness**

Children learn how objects relate to one another in space.

## STEM Thinking

Exploration, observation, engineering, and scientific curiosity are all part of the process.

## Family Connection

The best learning happens when families create together.

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# VILLAGE LEARNING LAB

## Reflection Questions

Ask your explorer:

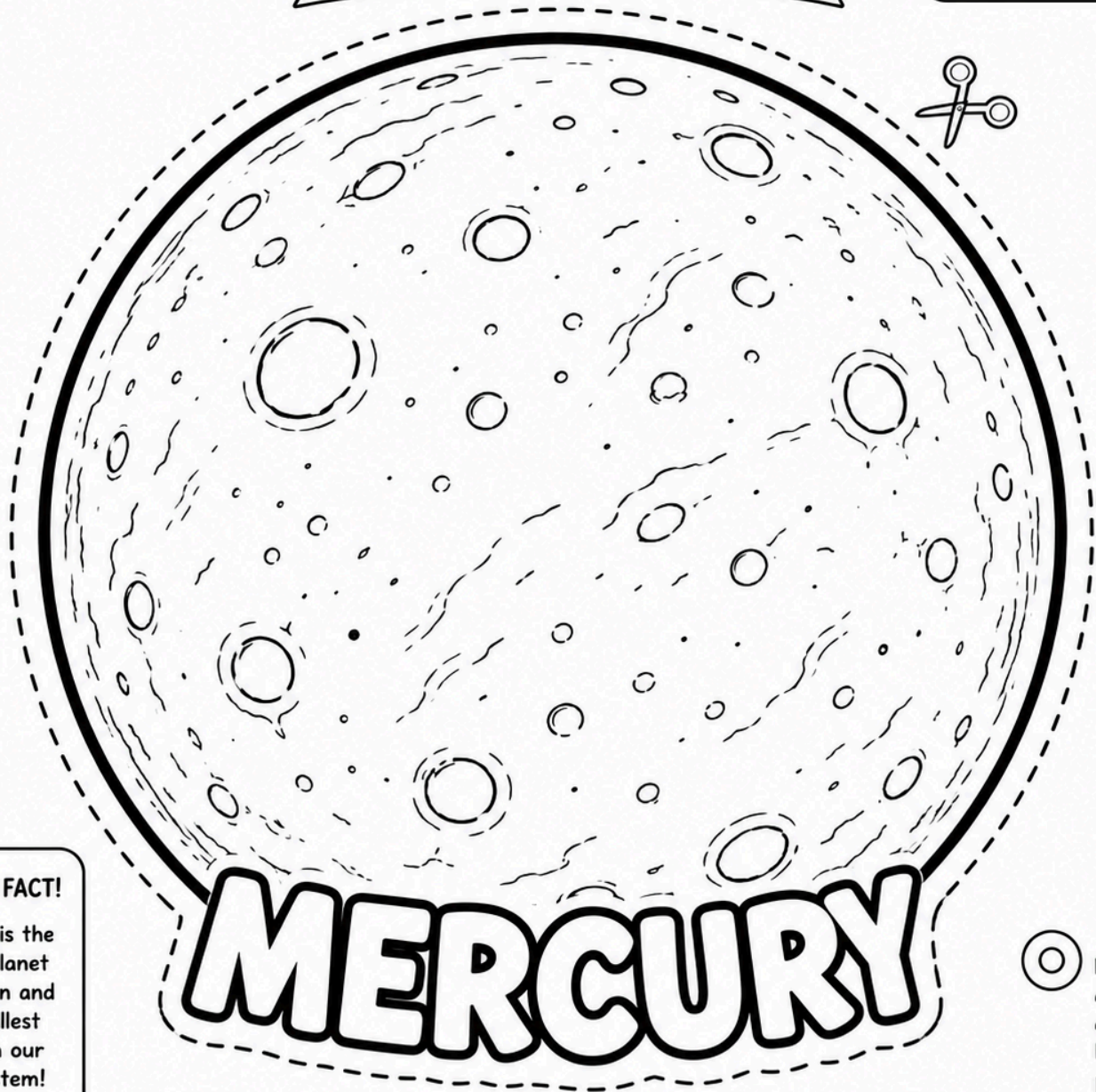
- ★ Which planet was your favorite?
- ★ Which planet would you visit?
- ★ Why do you think Earth is special?
- ★ Which planet surprised you the most?
- ★ What would you name a brand-new planet?

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**SOLAR SYSTEM**

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**MERCURY**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ FUN FACT!

Mercury is the  
closest planet  
to the Sun and  
the smallest  
planet in our  
solar system!

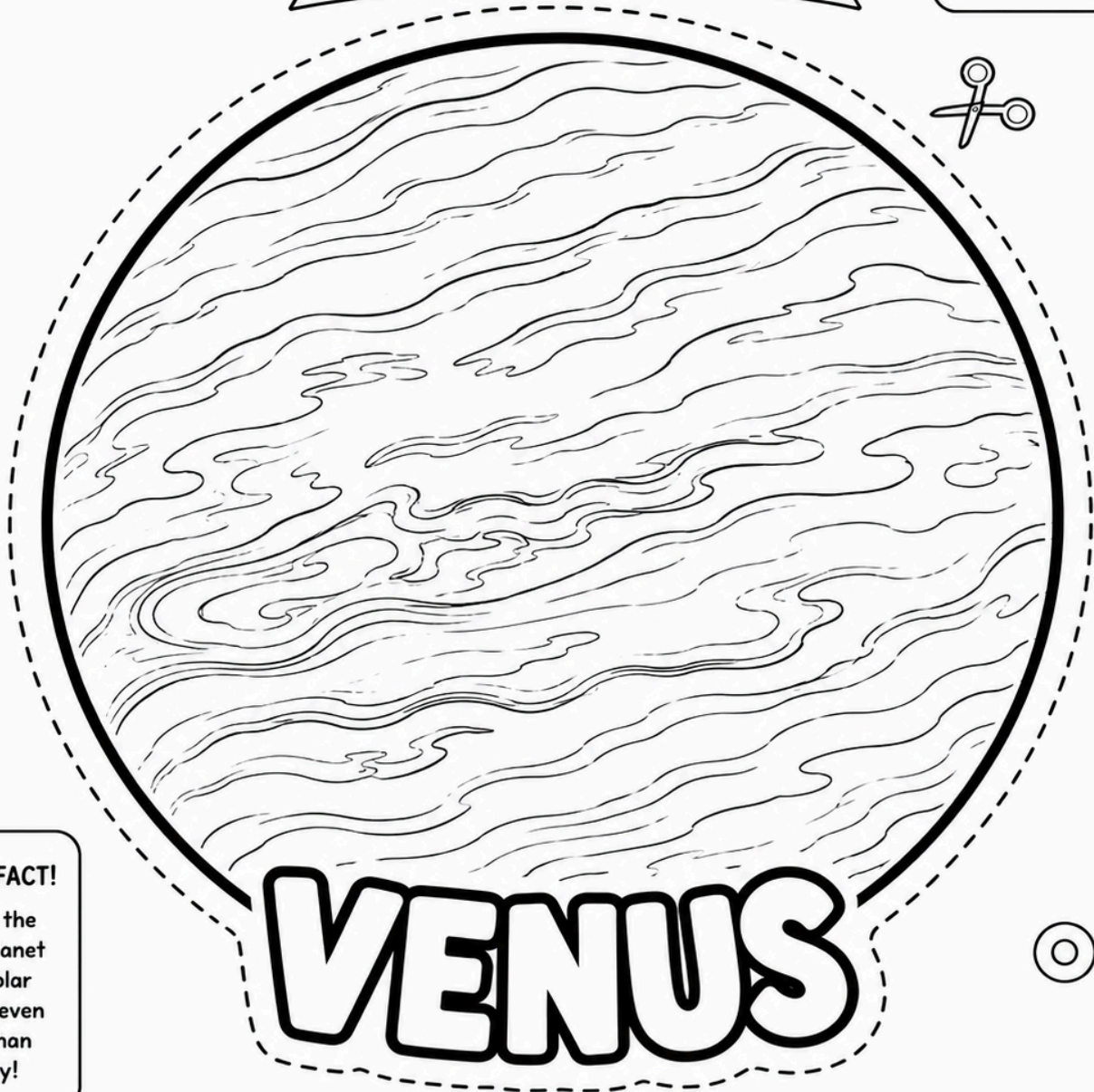
○ Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**VENUS**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ FUN FACT!

Venus is the  
hottest planet  
in our solar  
system—even  
hotter than  
Mercury!

○ Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**EARTH**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ FUN FACT!

Earth is the  
only planet  
we know of  
that has life,  
water, and  
air to breathe!

**EARTH**

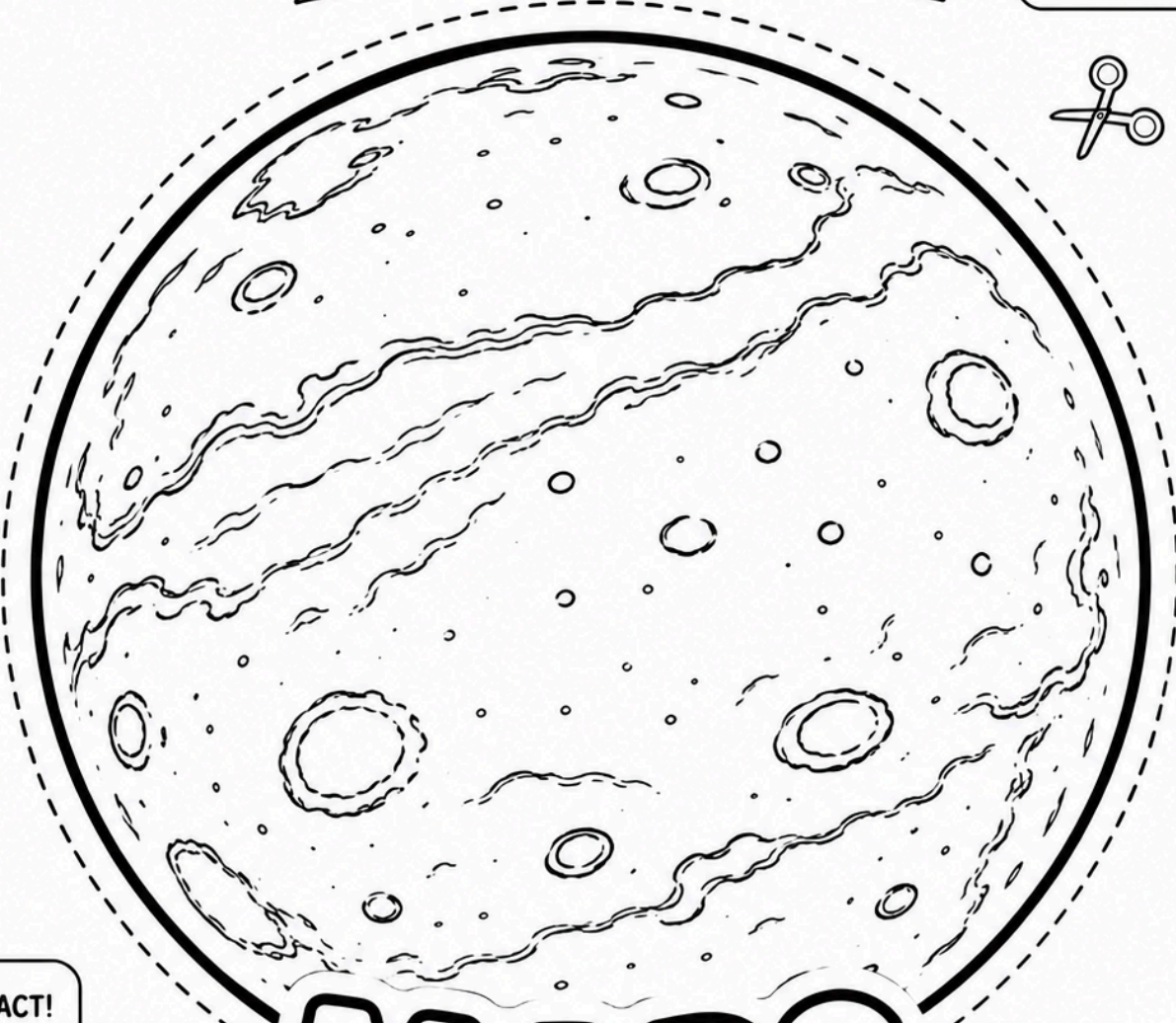


Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**MARS**  
Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



**MARS**

★ **FUN FACT!**  
Mars is known  
as the "Red  
Planet" because  
of the red dust  
on its surface!

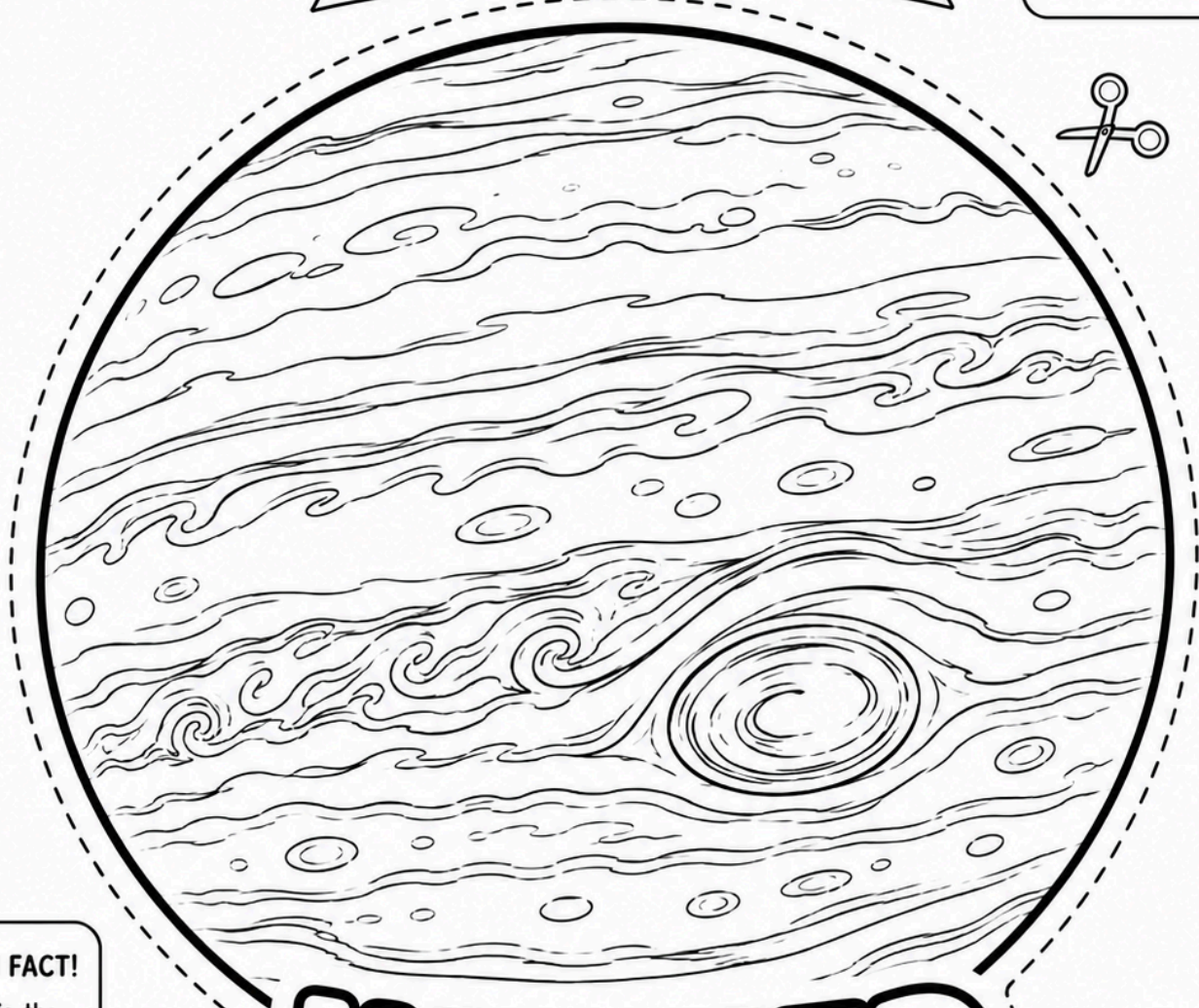
○ Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**JUPITER**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ **FUN FACT!**

Jupiter is the  
biggest planet in  
our solar system!

It is a giant  
ball of gas with  
a huge storm  
called the Great  
Red Spot!

**JUPITER**

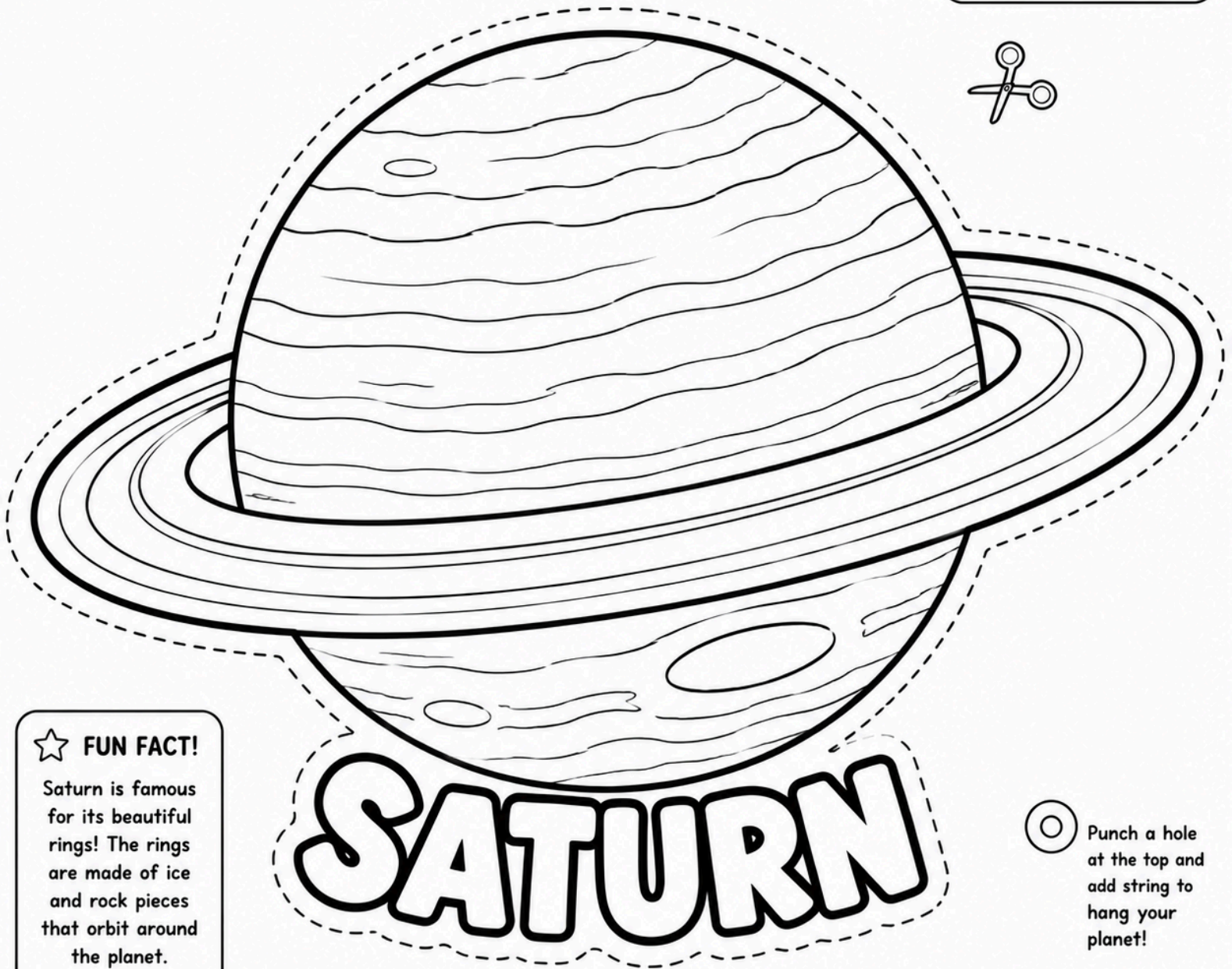


Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**SATURN**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ **FUN FACT!**

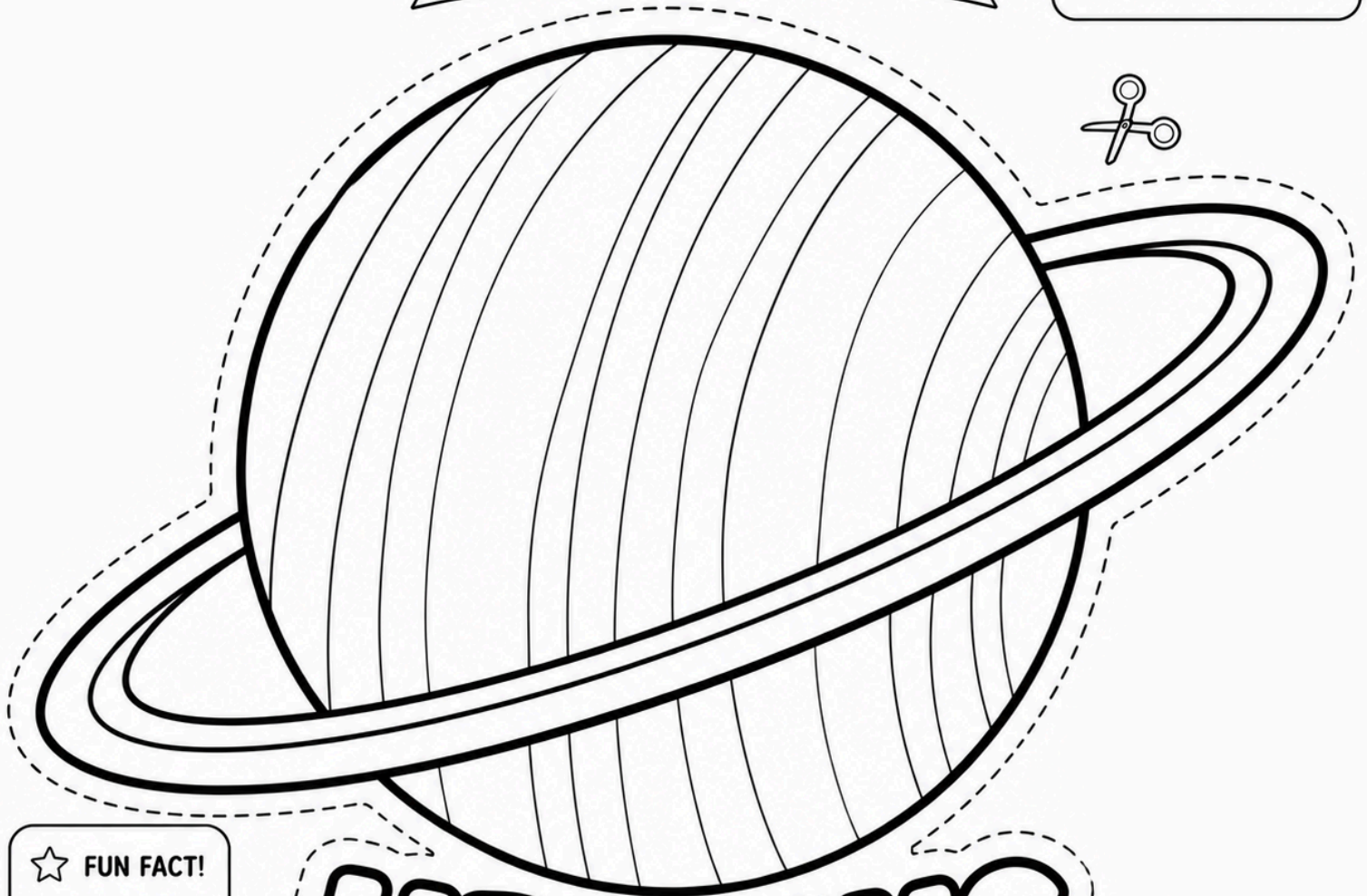
Saturn is famous  
for its beautiful  
rings! The rings  
are made of ice  
and rock pieces  
that orbit around  
the planet.

○ Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**URANUS**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ **FUN FACT!**

Uranus is an  
ice giant! It  
spins on its side  
and has faint  
rings around it.  
It is very cold  
and windy!

**URANUS**



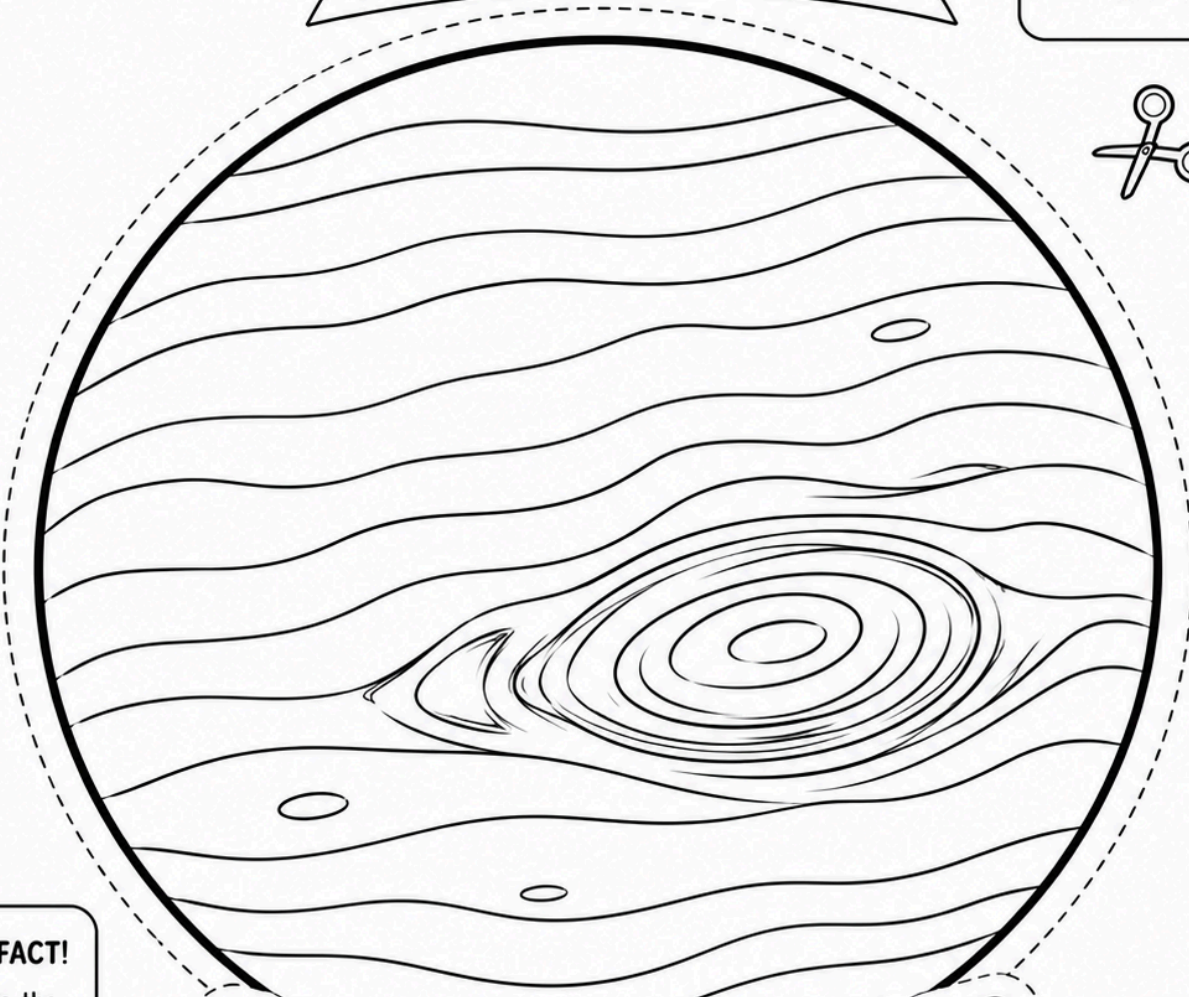
Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**NEPTUNE**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



**NEPTUNE**

★ **FUN FACT!**

Neptune is the  
farthest planet  
from the Sun!  
It is very cold  
and has strong,  
fast winds—faster  
than any other  
planet!



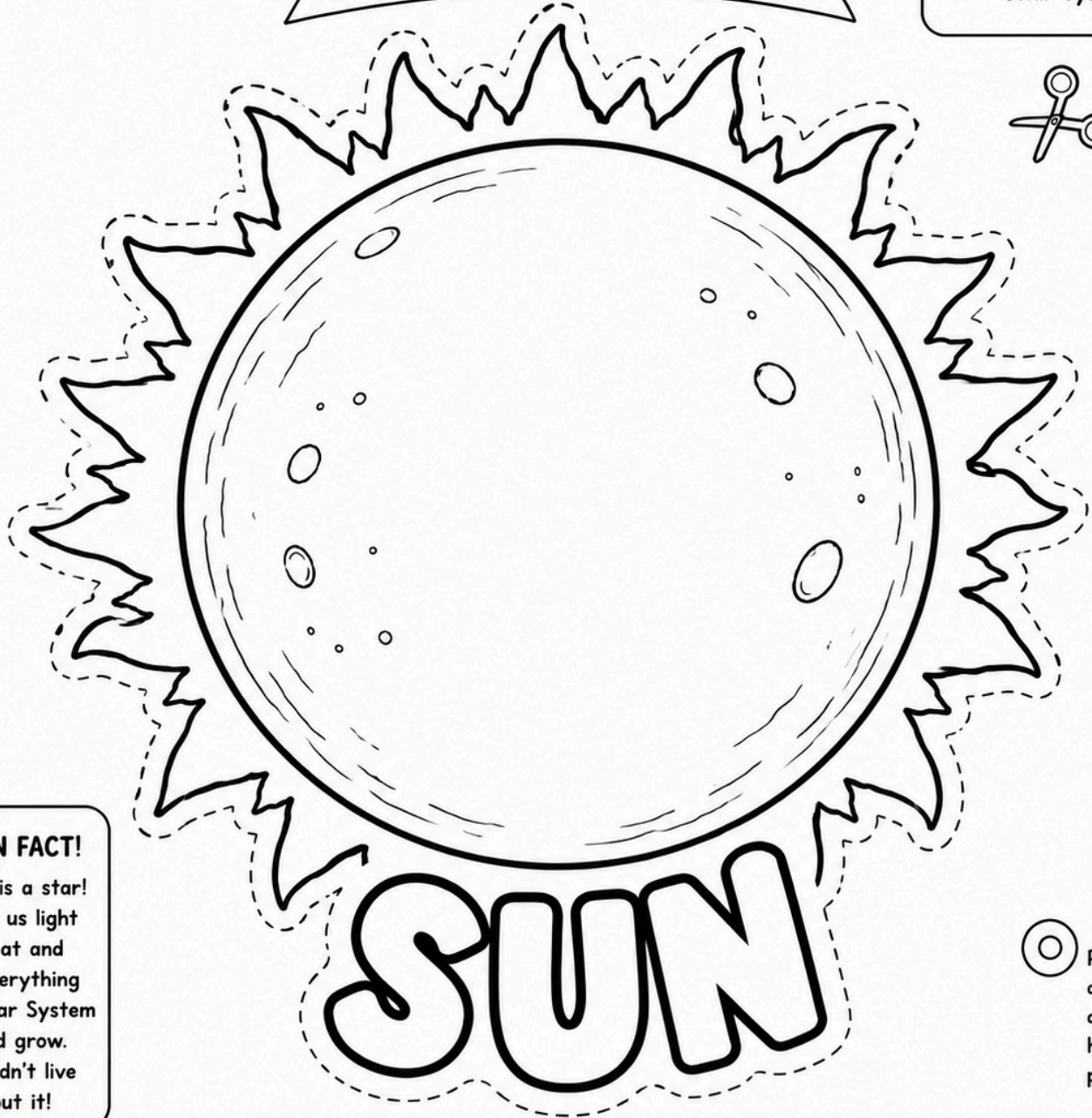
Punch a hole  
at the top and  
add string to  
hang your  
planet!

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**SUN**

Color your planet,  
cut along the dotted line,  
and add it to your  
Solar System!



★ **FUN FACT!**

The Sun is a star!  
It gives us light  
and heat and  
helps everything  
in our Solar System  
live and grow.  
We couldn't live  
without it!

 Punch a hole  
at the top and  
add string to  
hang your  
planet!

