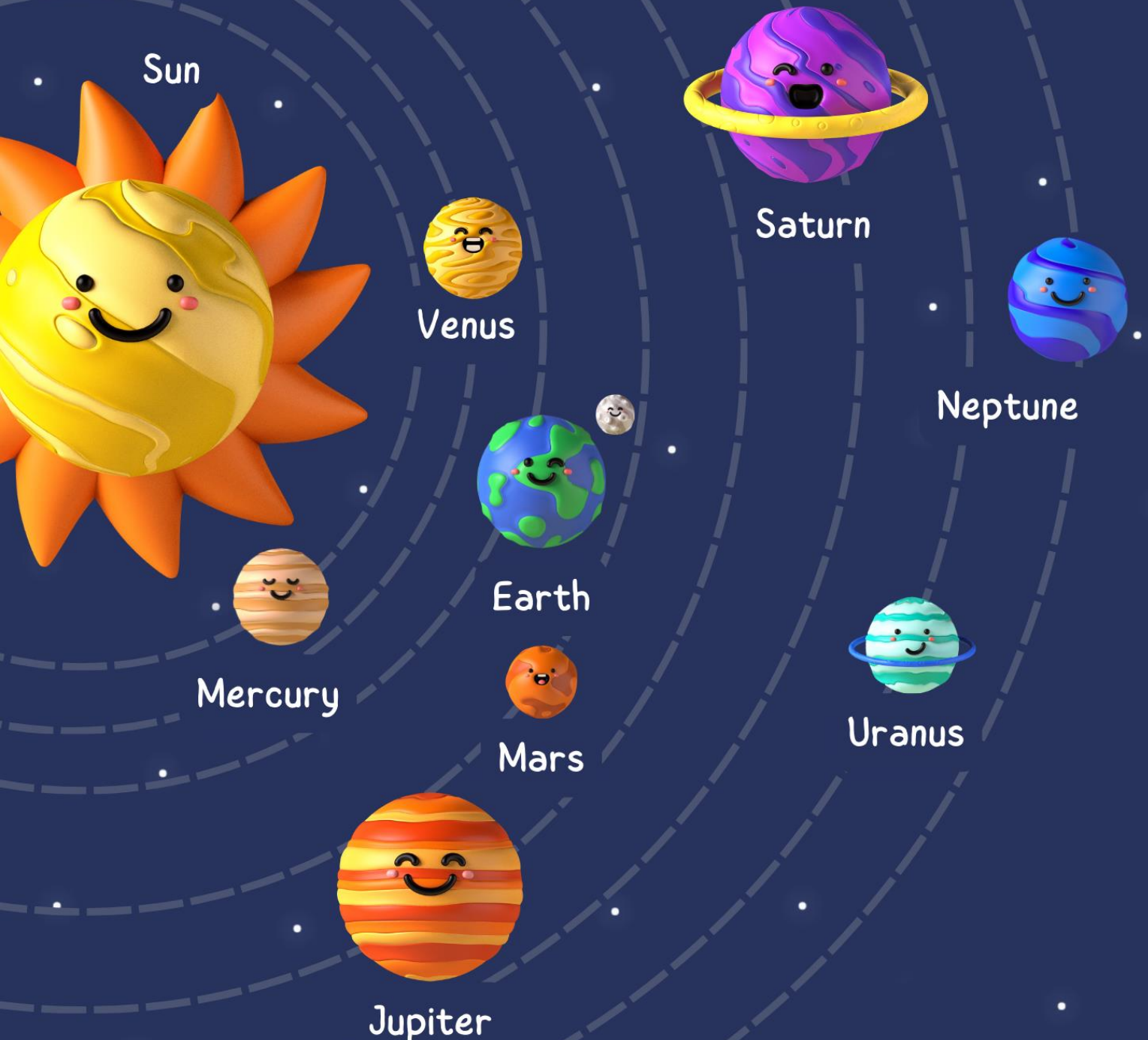


Solar System

Activity for Preschool



Activity 1: Planet Names Cards

Cut out the provided planet name cards.

Arrange the cards in order from the closest to the farthest planet from the Sun.

Write a fun fact or a key characteristic about each planet on the back of its card.

Activity 2: Short Planet Details

Read the short details about each planet.

Answer the questions provided for each planet based on the information given.

Activity 3: Moon Facts and Q&A

Read the information about the Moon.

Answer the questions related to the Moon.

Bonus: Add an interesting fact about the Moon.

Activity 4: Phases of the Moon

Study the diagram of the phases of the Moon.

Label each phase correctly.

Write a sentence explaining the sequence of Moon phases.

Activity 5: Draw the Moon Yourself

Draw the Moon in each of its main phases: New Moon, First Quarter, Full Moon, and Last Quarter.

Add labels to your drawings.

Activity 6: Solar System Cut and Paste

Cut out the planets provided.

Arrange and paste the planets in their correct order from the Sun.

Write the names of the planets next to their images.

Activity 7: Planets Cut and Paste

Cut out the provided planet images.

Paste the planets in their correct positions relative to the Sun.

Use the information on the Planet Names Cards to help you.

Activity 8: Word Search

Find and circle the words related to the solar system in the word search.

Bonus: Write a sentence using one of the circled words.

First planet



Mercury

Second planet



Venus

Third planet



Earth

Fourth planet



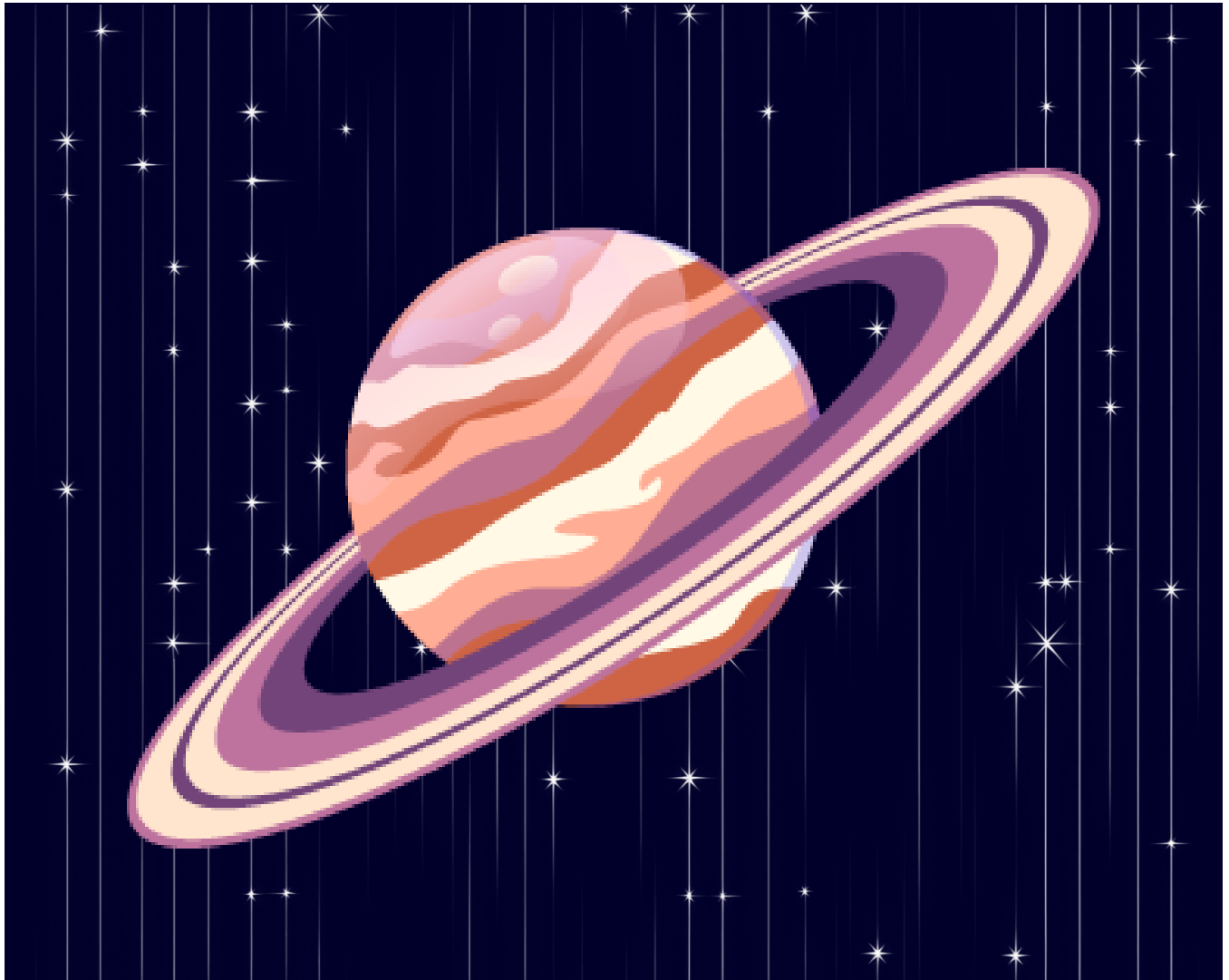
Mars

Fifth planet



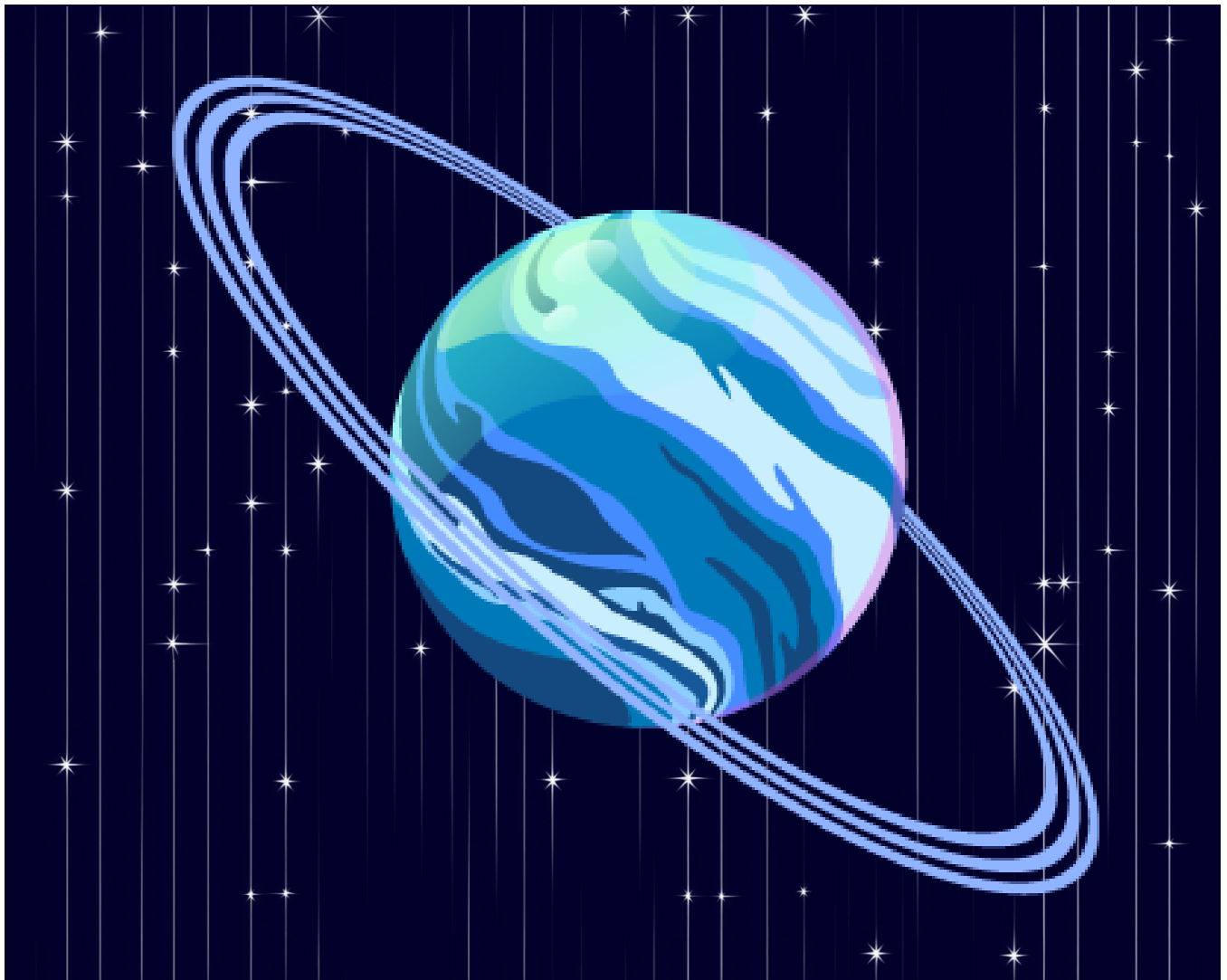
Jupiter

Sixth planet



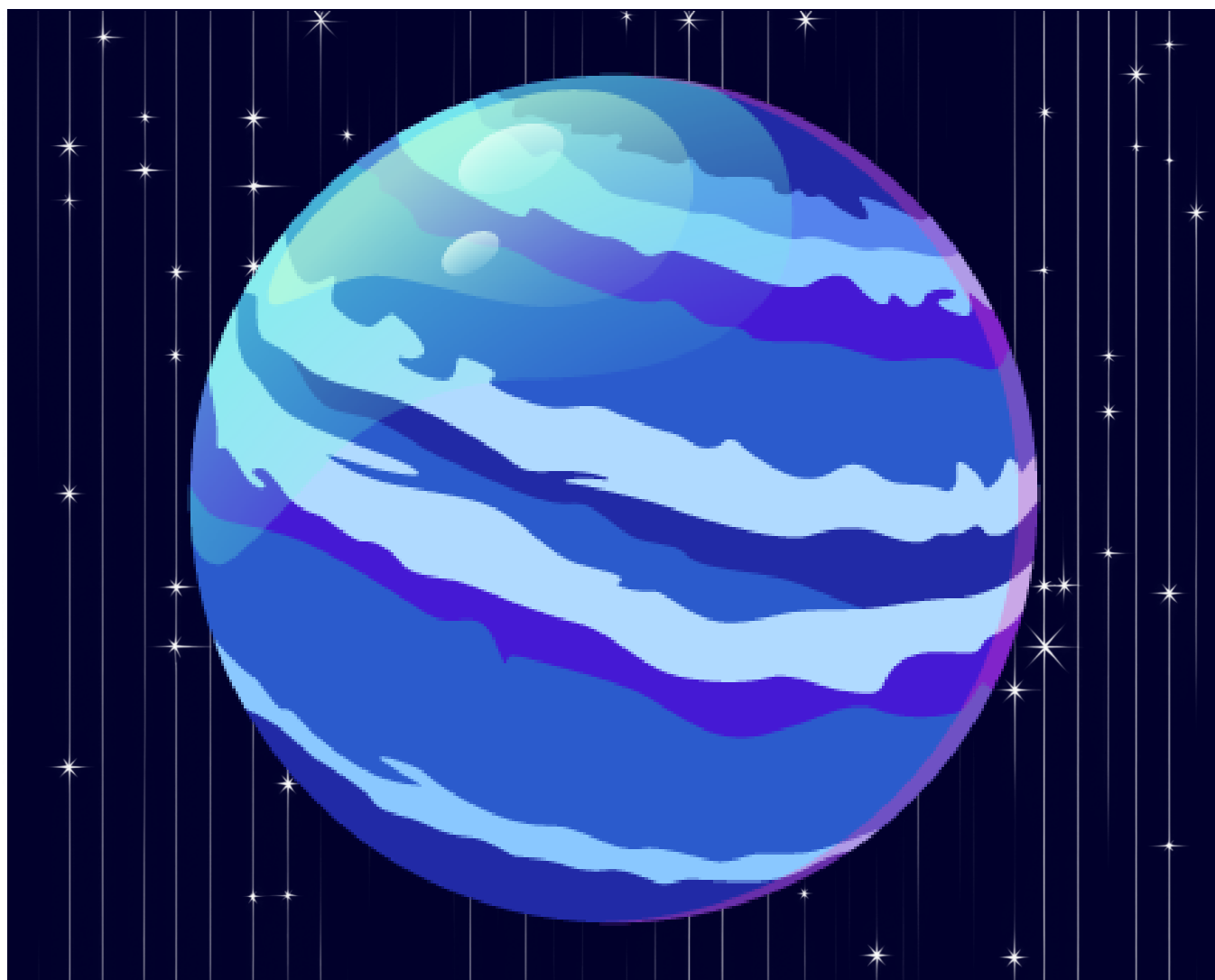
Saturn

Seventh planet

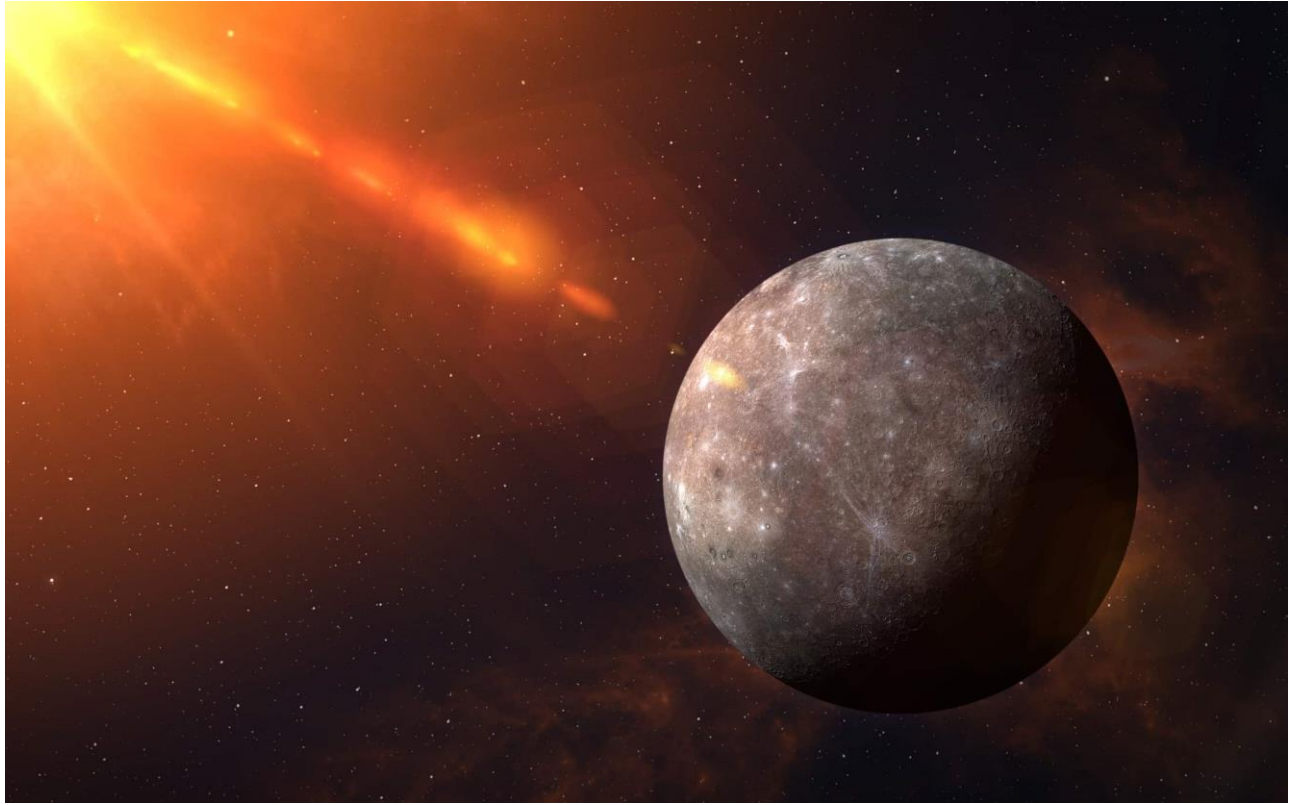


Uranus

Eighth planet

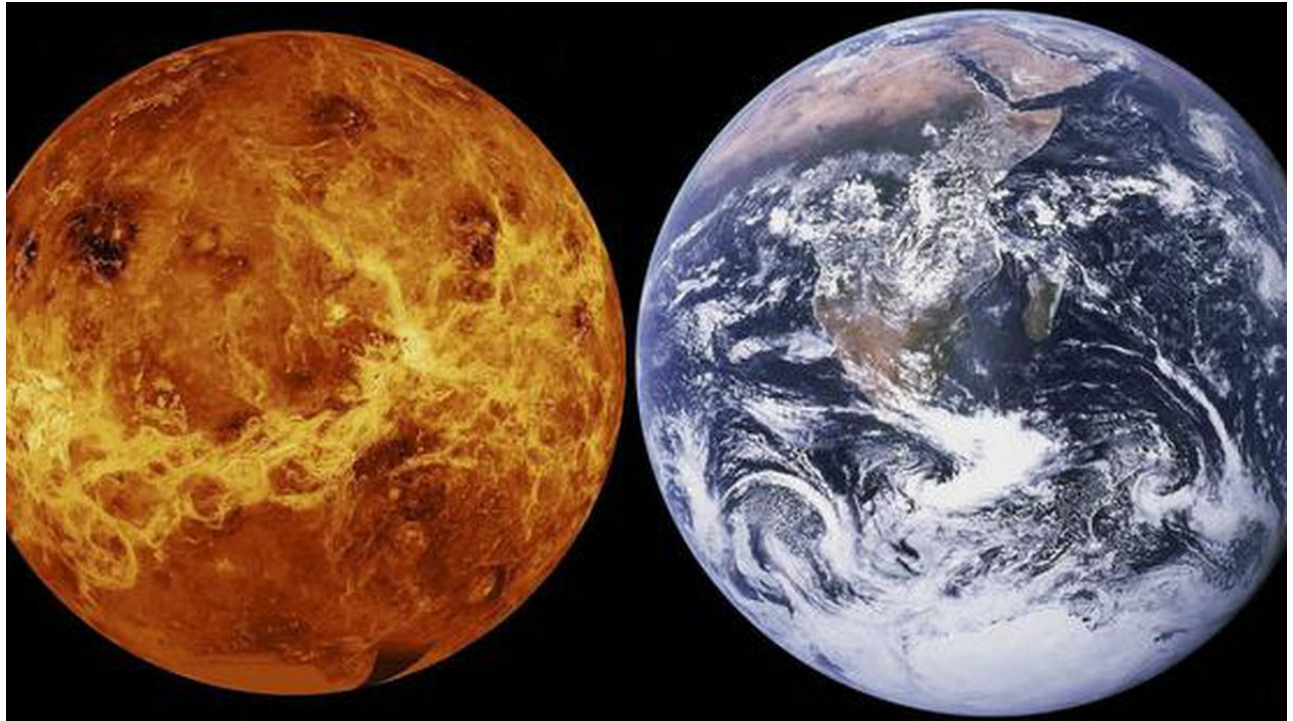


Neptune



Mercury is the smallest and fastest planet, with extreme temperature variations due to its lack of a significant atmosphere.

Mercury



Venus is similar in size and composition to Earth, but its thick atmosphere traps heat, making it the hottest planet in our solar system.

Venus



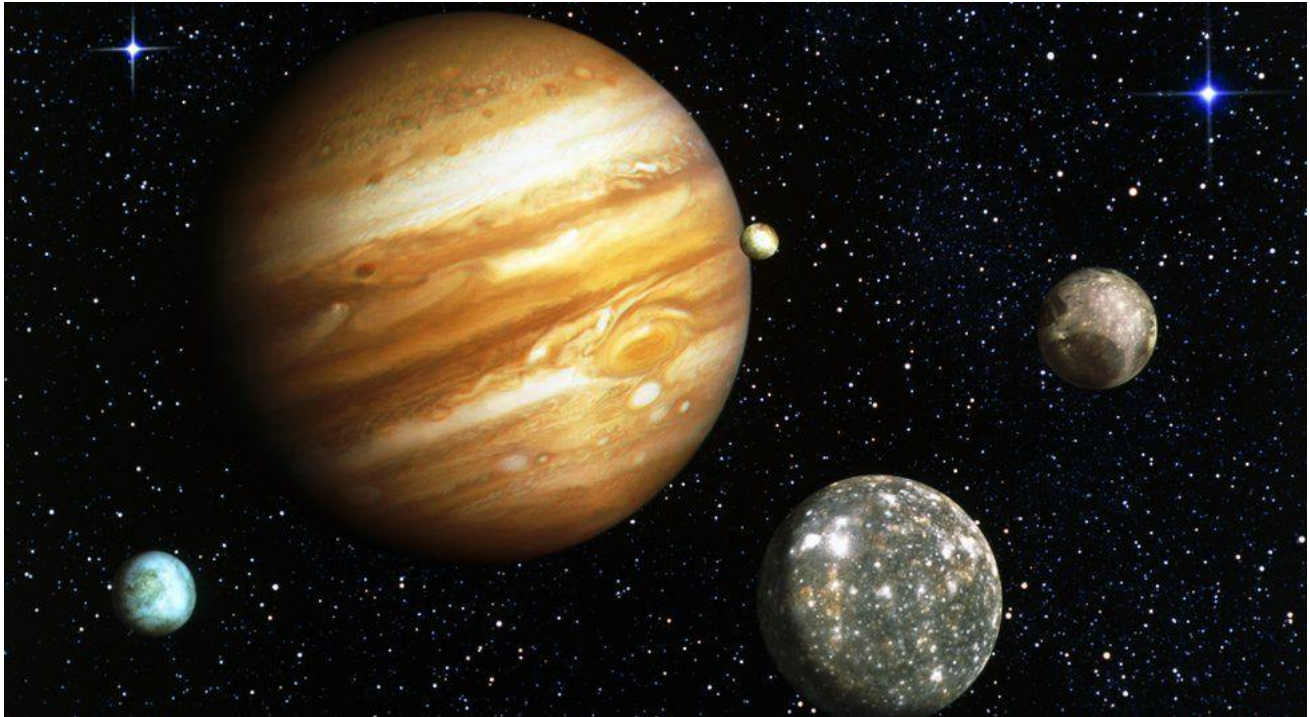
Earth is the only known planet with a diverse range of life, featuring a stable climate and a variety of ecosystems.

Earth



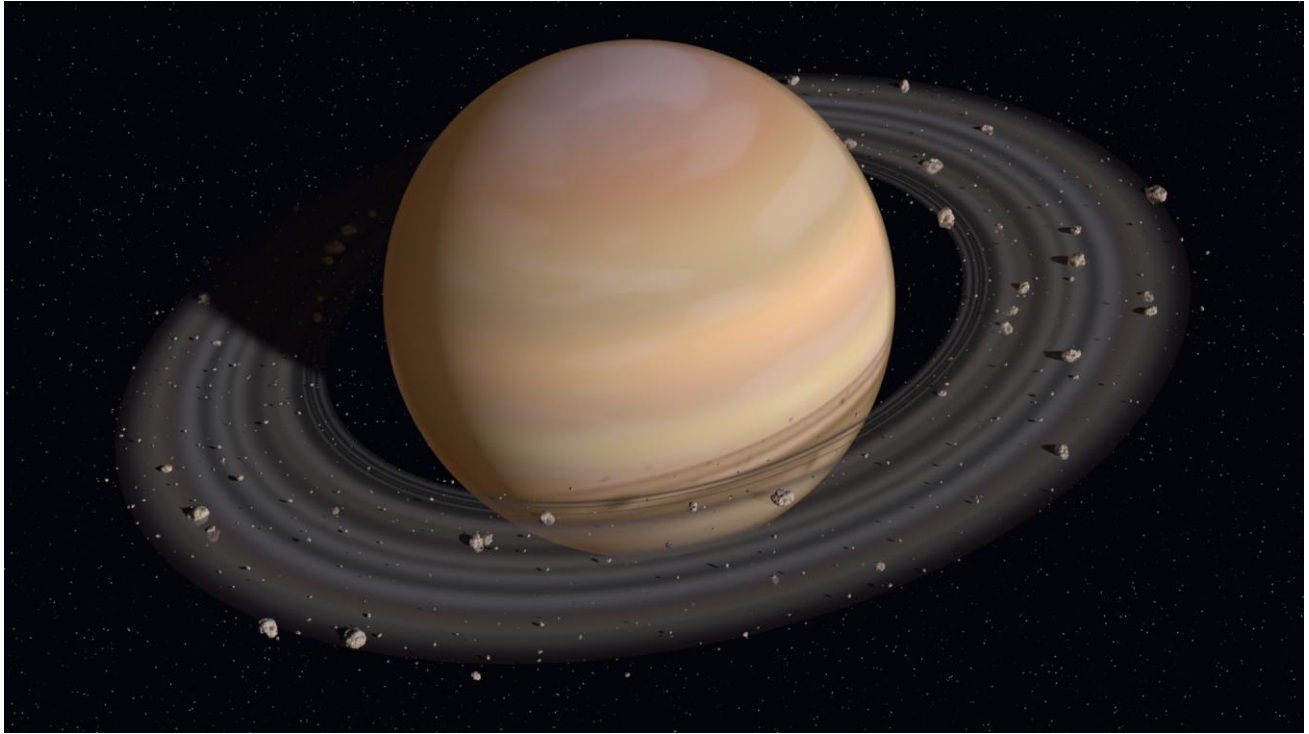
Mars, the "Red Planet," has polar ice caps and evidence of past water flow, sparking interest in the search for signs of Martian life.

Mars



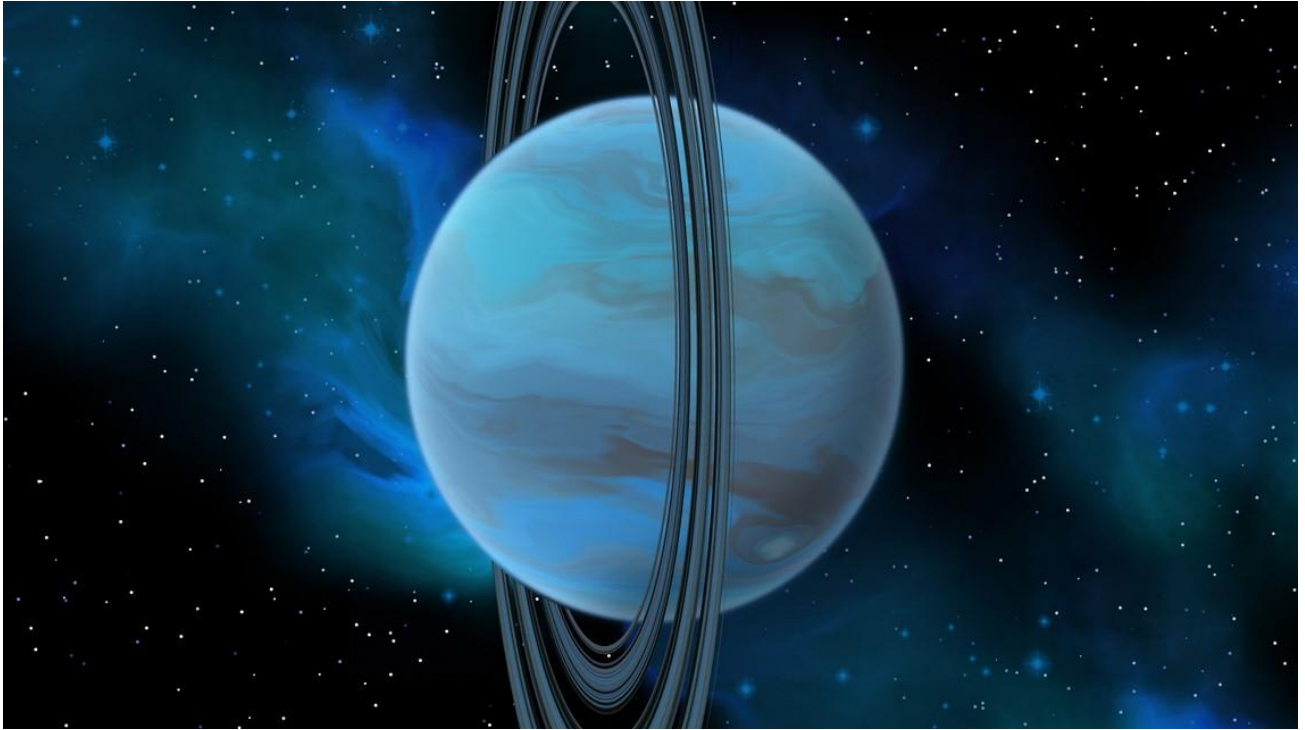
Jupiter is the largest planet, known for its massive size, strong magnetic field, and iconic bands of clouds. It has a system of rings and numerous moons.

Jupiter



Saturn is recognized for its stunning ring system, composed of icy particles. It is the second-largest planet and is predominantly made of hydrogen and helium.

Saturn



Uranus is a gas giant with a unique feature—rotating on its side. It has a blue-green hue due to the presence of methane in its atmosphere.

Uranus



Neptune, the outermost planet, has a dynamic atmosphere with high-speed winds and dark storms. It shares similarities with Uranus and is often called an ice giant.

Neptune:

Name: _____

Solar System Fun Facts and Quizzes!

Fact Num 1: Which planet is the smallest and fastest in our solar system?

Fact Num 2: What causes extreme temperature variations on Mercury?

Fact Num 3: How does Venus differ from Earth in terms of its atmosphere?

Fact Num 4: Why is Venus considered the hottest planet in our solar system?

Fact Num 5: What makes Earth unique among the planets in our solar system?

Name: _____

Solar System Fun Facts and Quizzes!

Fact Num 6: Which planet is often called the "Red Planet"?

Fact Num 7: What features on Mars have led scientists to search for signs of life?

Fact Num 8: Why is Jupiter known as the largest planet in our solar system?

Fact Num 9: Name one distinctive feature of Jupiter's atmosphere.

Fact Num 10: What gives Saturn its stunning appearance in night sky?

Name: _____

Solar System Fun Facts and Quizzes!

Fact Num 11: What is the primary composition of Saturn's ring system?

Fact Num 12: Which planet is recognized for its system of rings and numerous moons?

Fact Num 13: What makes Uranus different from other gas giants?

Fact Num 14: What is the unique feature of Uranus's rotation?

Fact Num 15: Why does Uranus have a blue-green hue in its atmosphere?

Name: _____

Solar System Fun Facts and Quizzes!

Fact Num 16: Which planet is the outermost in our solar system?

Fact Num 17: What characterizes Neptune's atmosphere?

Fact Num 18: Why is Neptune often referred to as an "ice giant"?

Fact Num 19: Name one similarity between Uranus and Neptune.

Fact Num 20: Which planet has a dynamic atmosphere with high-speed winds and dark storms?

Answer sheet

Fact-1: Which planet is the smallest and fastest in our solar system?

Answer: Mercury.

Fact -2: What causes extreme temperature variations on Mercury?

Answer: Mercury lacks a significant atmosphere to retain heat, resulting in rapid temperature changes.

Fact-3: How does Venus differ from Earth in terms of its atmosphere?

Answer: Venus has a thick atmosphere composed mainly of carbon dioxide, creating a greenhouse effect.

Fact-4: Why is Venus considered the hottest planet in our solar system?

Answer: The thick atmosphere of Venus traps heat, making it the hottest planet.

Fact-5: What makes Earth unique among the planets in our solar system?

Answer: Earth is the only known planet with a diverse range of life and stable ecosystems.

Fact-6: Which planet is often called the "Red Planet"?

Answer: Mars.

Fact-7: What features on Mars have led scientists to search for signs of life?

Answer: Mars has polar ice caps and evidence of past water flow.

Fact-8: Why is Jupiter known as the largest planet in our solar system?

Answer: Jupiter has the greatest mass, making it the largest planet.

Fact-9: Name one distinctive feature of Jupiter's atmosphere.

Answer: Jupiter has iconic bands of clouds and a massive storm called the Great Red Spot.

Fact-10: What gives Saturn its stunning appearance in the night sky?

Answer: Saturn's system of rings is composed of icy particles.

Answer sheet

Fact-11: What is the primary composition of Saturn's ring system?

Answer: Saturn's rings are primarily made of ice particles.

Fact-12: Which planet is recognized for its system of rings and numerous moons?

Answer: Saturn.

Fact-13: What makes Uranus different from other gas giants?

Answer: Uranus rotates on its side, unlike the other planets.

Fact-14: What is the unique feature of Uranus's rotation?

Answer: Uranus rotates on its side.

Fact-15: Why does Uranus have a blue-green hue in its atmosphere?

Answer: Uranus has a blue-green hue due to the presence of methane.

Fact-16: Which planet is the outermost in our solar system?

Answer: Neptune.

Fact-17: What characterizes Neptune's atmosphere?

Answer: Neptune has a dynamic atmosphere with high-speed winds and dark storms.

Fact-18: Why is Neptune often referred to as an "ice giant"?

Answer: Neptune shares similarities with Uranus and is composed of ices.

Fact-19: Name one similarity between Uranus and Neptune.

Answer: Both Uranus and Neptune are classified as ice giants.

Fact-20: Which planet has a dynamic atmosphere with high-speed winds and dark storms?

Answer: Neptune.

MOON



The moon, aged over 4.5 billion years, lacks natural light but reflects sunlight. It completes an orbit around Earth in 27 days, and 12 individuals have walked on its surface.

A. What is the age of the moon?

B. Around which planet does the moon orbit?

C. How much time does it take for the moon to complete one orbit around Earth?

D. How many individuals have set foot on the moon?

E. Can you share additional interesting facts about the moon that you're aware of?

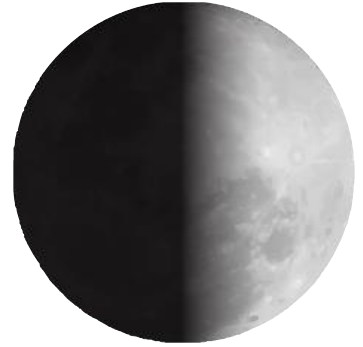
PHASES OF THE MOON



New moon



Waxing crescent



Waxing quarter



Waxing gibbous



Full moon



Waning gibbous



Third quarter



Waning crescent



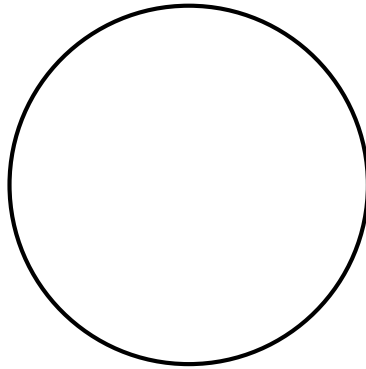
Old moon

MOON PHASES CYCLE

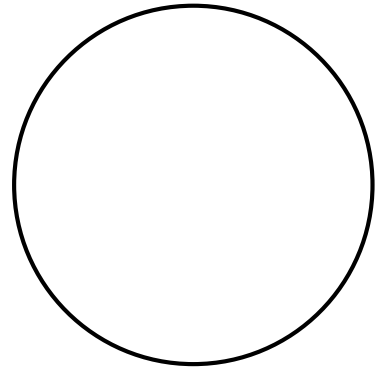
Direction: Draw and color the phases of the moon.



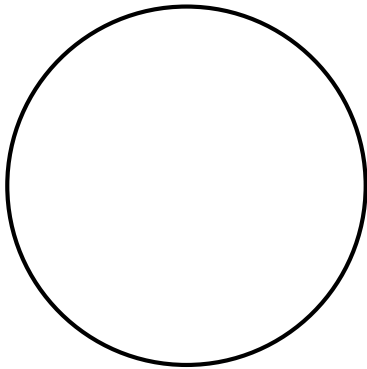
New moon



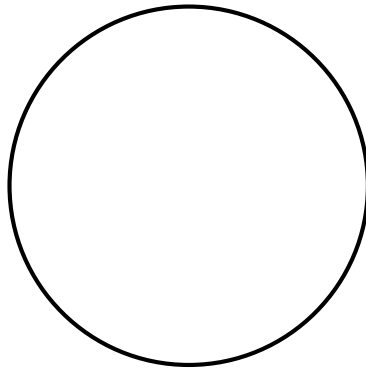
Waxing crescent



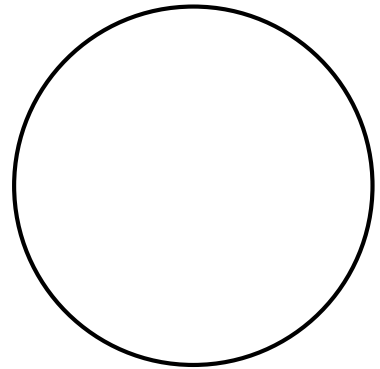
Waxing quarter



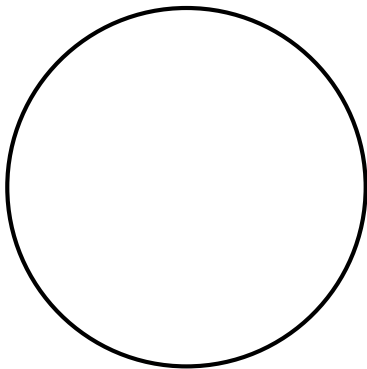
Waxing gibbous



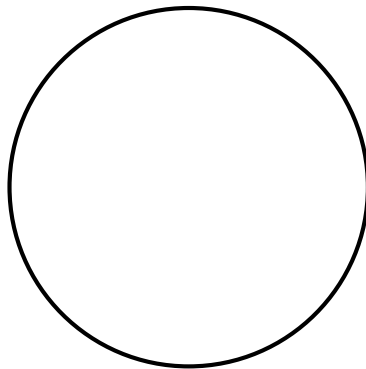
Full moon



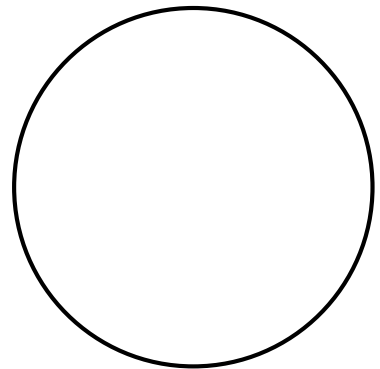
Waning gibbous



Third quarter

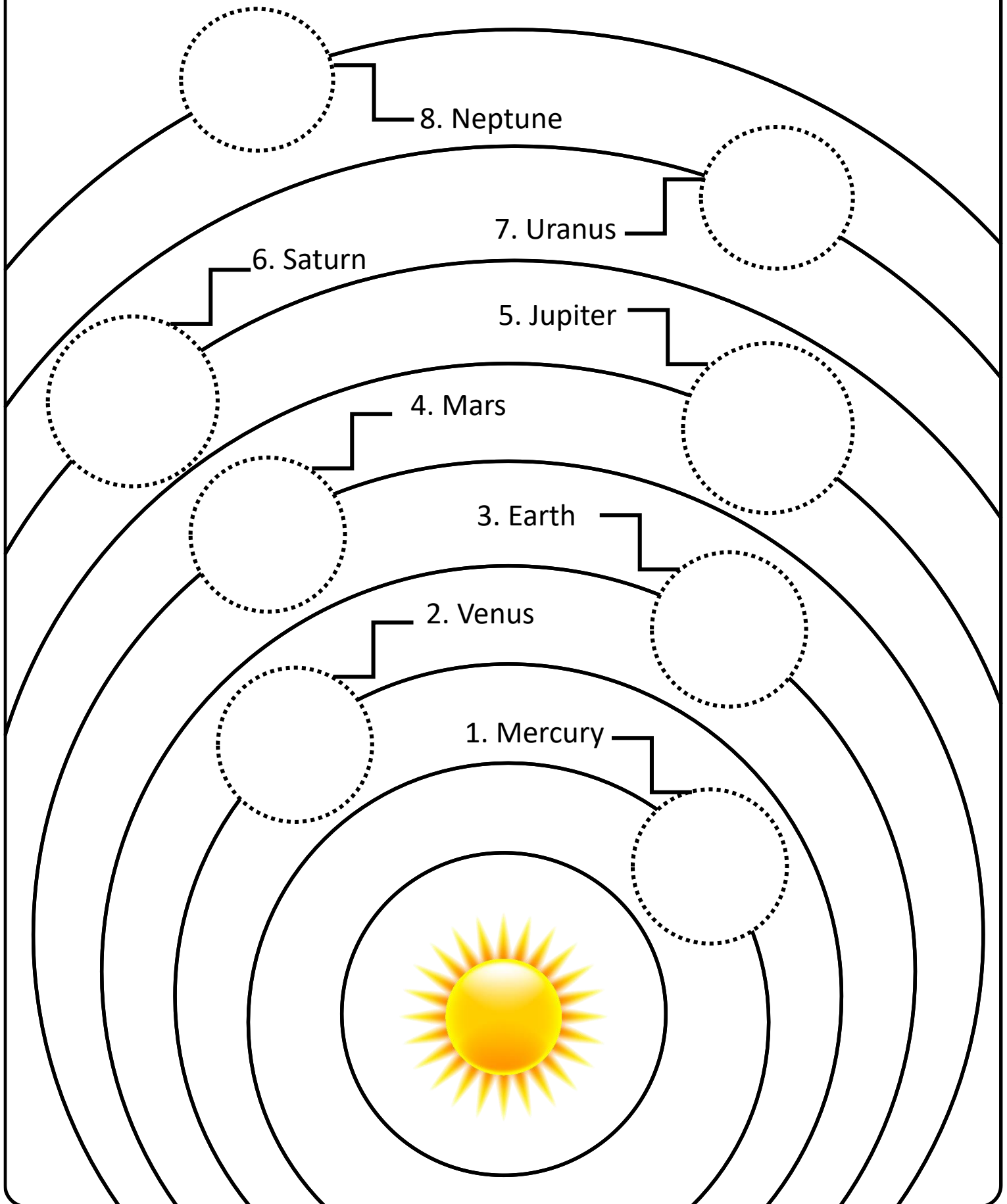


Waning crescent

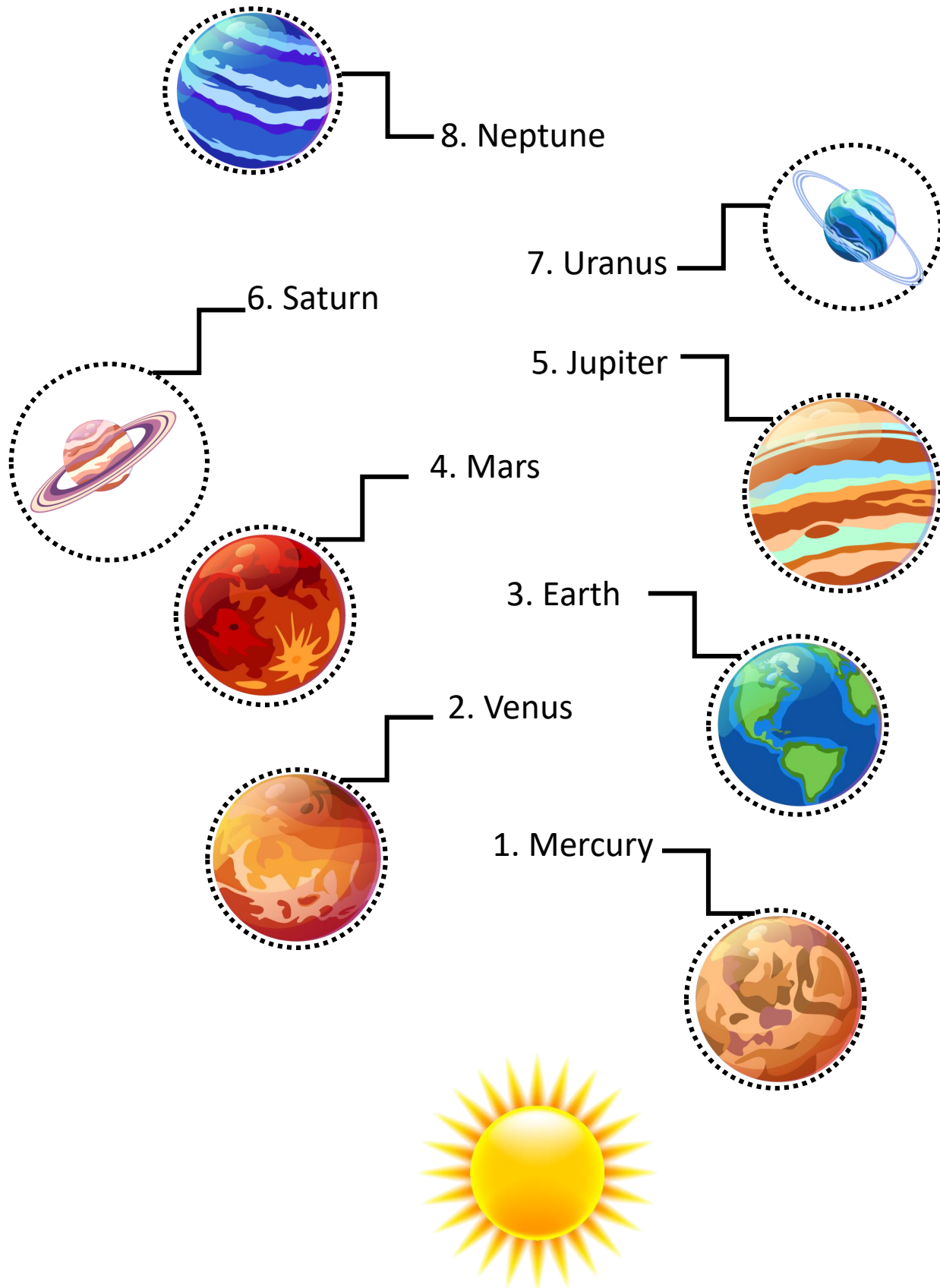


Old moon

Solar system

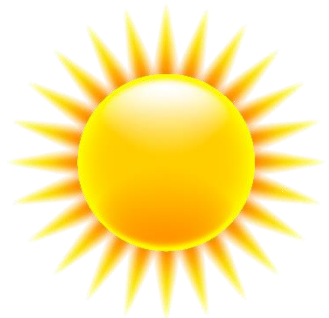
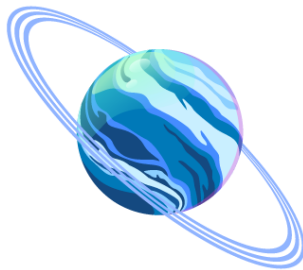
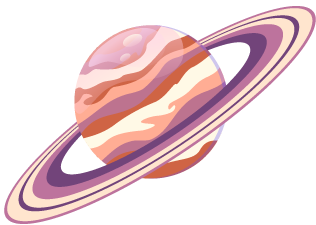
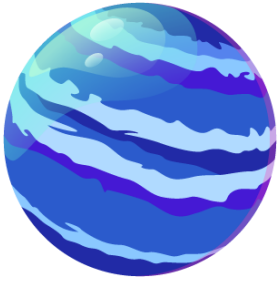


Solar system– Cut and paste



Solar System Activity

Cut & paste



Sun	Mercury	Venus	Earth	Mars
Jupiter	Saturn	Uranus	Neptune	

Name: _____

Solar System Word Search

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

Find the following words in the puzzle.

Words are hidden → ↓ and ↘ .

EARTH
JUPITER
MARS
MERCURY

MOON
NEPTUNE
SATURN
SUN

URANUS
VENUS



SOLUTION

Solar System Word Search

.	.	E	A	R	T	H	.	J	.	.	.	.	.	.	.	.	.
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Word directions and start points are formatted: (Direction, X, Y)

EARTH (E,3,1)
JUPITER (SE,9,1)
MARS (SE,15,6)
MERCURY (E,3,3)

MOON (S,7,4)
NEPTUNE (SE,9,4)
SATURN (E,10,11)
SUN (E,3,5)

URANUS (SE,1,4)
VENUS (E,2,4)