

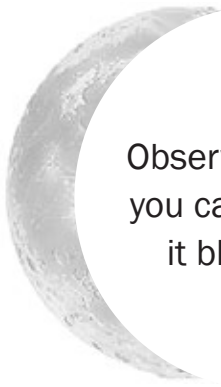


solarsystem.nasa.gov

My Planet Packet

Information & Data Sheets About
Our Solar System

Name: _____



Project Moonwatch!

Observe the moon every night for 2 weeks. Color in any part of the moon that you can't see each night. If it's cloudy and you can't see the moon, just leave it blank for that night. Make sure to take an adult with you outside when you look at the moon each night!

Date: _____

Day 1

Date: _____

Day 1

Date: _____

Day 1

Date: _____

Day 1

Date: _____

Day 1

Date: _____

Day 1

Date: _____

Day 1

Date: _____

Day 1

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Date: _____

Day 1

Date: _____

Day 1



THE SOLAR SYSTEM



Fill in the blanks below with words from this box:

Neptune	gas giants	Pluto	planetoids
solar	Mars	nine	comets
asteroids	Jupiter	temperature	terrestrial
orbit	water	Saturn	Uranus
dinosaurs	Earth	Venus	tail
Mercury			

The Solar System

The _____ system is the group of planets that _____ our Sun. There are _____ known planets in our solar system, but some observers think they have spotted others beyond the orbit of _____.

The Terrestrial Planets

Mercury, Venus, Earth, and Mars are called _____ planets because they have rocky surfaces. _____, of course, is the planet we live on. _____ is the closest planet to the sun. _____, which is also called the evening star, has a _____ of 500 degrees Celsius and clouds of sulfuric acid. _____ is known as the red planet. Recently, frozen _____ was discovered there.

The Gaseous Planets

Jupiter, Saturn, Uranus, and Neptune are called _____ because they are big and made mostly of gas. _____ is the largest planet in the solar system. _____ is famous for its rings.



_____ also has rings but is not as famous as Saturn. _____ is named after the god of the sea.

Planetoids: Asteroids and Comets

There are many other _____ in the solar system. Between Mars and Jupiter there is a belt of small rocky objects called _____. As well, balls of ice and rock called _____ occasionally come close to the sun creating a bright _____ that can be seen from Earth. Some scientists think the _____ became extinct when one of these comets came crashing into the Earth.

Name: _____ Date: _____

SOLAR SYSTEM SECRETS!



DID YOU KNOW....
THAT IT GETS SO HOT ON
VENUS THAT A
LEAD CANNONBALL
COULD MELT?!

There is so much to learn about the solar system! Find the answers to these questions by using your resources to WOW your friends and family!

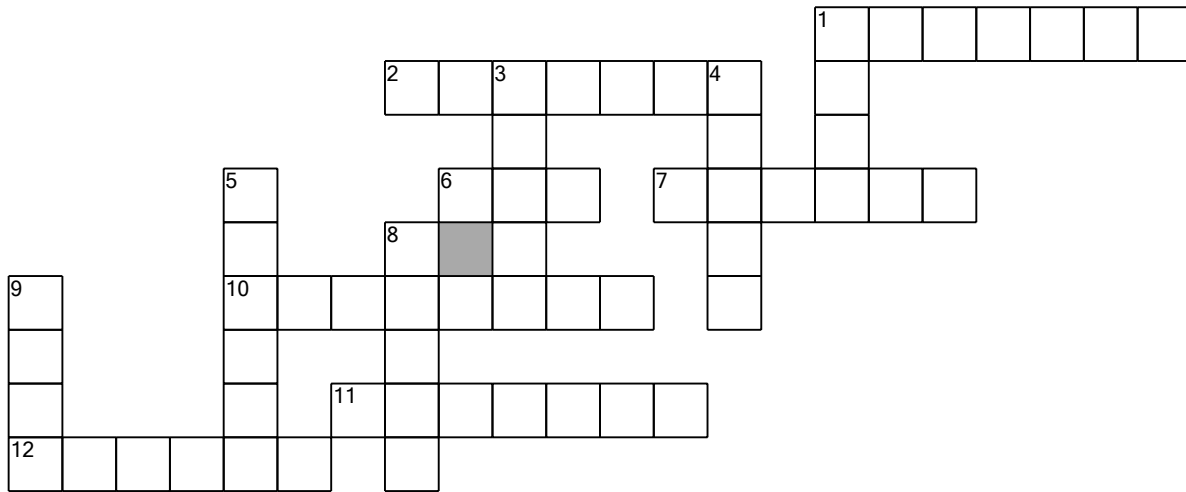
1. What are the inner planets mostly made of? _____
2. What are the outer planets mostly made of? _____
3. Mercury is about the same size as what other object in space? _____
4. Earth is made mostly of what element? _____
5. What are the shapes of the two unusual moons of Mars? _____
6. What is the name of Jupiter's large swirling area of gas? _____
7. How many rings do scientists think Saturn has? _____
8. What gives Uranus its blue-green color? _____
9. What do scientists think the dark spots are on Neptune? _____
10. Scientists think that Pluto is not a planet, but is really a _____

Name: _____

Date: _____

Solar System Crossword

Complete the activity.



ACROSS

1. The closest planet to the Sun and the eighth largest.
2. Named after the Roman god of the sea.
6. The largest object in the solar system.
7. This planet's blue color is the result of absorption of red light by methane in the upper atmosphere.
10. A medium-sized rocky object orbiting the Sun.
11. This planet is more than twice as massive as all the other planets combined.
12. The second largest planet with many rings.

DOWN

1. The only natural satellite of Earth.
3. The smallest planet and farthest from the Sun.
4. The only planet whose English name does not derive from Greek/Roman mythology.
5. A bowl-shaped depression formed by the impact of a meteoroid.
8. It is the brightest object in the sky except for the Sun and the Moon.
9. This planet probably got this name due to its red color and is sometimes referred to as the Red Planet.

Sun	Earth	Jupiter	Neptune	Crater
Mercury	Moon	Saturn	Pluto	
Venus	Mars	Uranus	Asteroid	