

THE SOLAR SYSTEM

When you look into the night sky, you see thousands and thousands of stars. During the day you see the sun. Did you know that the sun is a star? It looks much larger than the other stars because it is much closer to us. The Earth is not alone in space. There are 7 other planets that **orbit** the sun with us. Our sun is the center of our **solar system**.



The closest planet to the sun is called **Mercury**. Mercury is the smallest planet. It has no atmosphere. This means daytime on Mercury is extremely hot and night is extremely cold. It also means there is no air to breathe. It takes 88 Earth days for Mercury to orbit the sun one time.

The next planet is **Venus**. Venus is the hottest planet in our solar system. It has a very thick atmosphere which traps heat from the sun. Venus is almost the size of Earth. It takes 225 Earth days for Venus to orbit the sun.

Earth is the third planet from the sun. It is the only planet in our solar system with the air and water needed to support life. Earth's atmosphere protects its inhabitants from extreme temperatures. It takes 365 days for the Earth to orbit the sun one time. This is the length of a year on Earth.

Next is **Mars**. Mars is often called "the red planet" because of a mineral called iron oxide that gives it a rusty red color. Although smaller in size, Mars is similar to Earth in a lot of ways. It takes 687 days for Mars to orbit the sun.

After Mars there is a long stretch of empty space before you reach the next planet, **Jupiter**. Jupiter is the largest planet. Unlike the first four planets, Jupiter is not made of rock. It is made of gases. Jupiter is known for its violent storms and for having 64 moons! It takes 12 Earth years for Jupiter to orbit the sun one time.

After Jupiter is **Saturn**, another **gas giant**. Saturn is known for its rings which are made of ice. Saturn is the second largest planet and has 18 moons. It takes 29 Earth years for Saturn to orbit the sun.

Next is **Uranus**. Uranus has a blue green color and orbits the sun on its side. This gas giant has 27 moons. It takes 84 Earth years for Uranus to complete one orbit around the sun.

The last planet in the solar system is **Neptune**. Neptune is also made of gasses, not rock. Neptune has 13 moons. It takes 165 Earth years for Neptune to orbit the sun.

ENGLISH

You have just read a passage on our solar system. Now choose one planet and become an expert on it. You may use the evidence in the text and you may also **RESEARCH** your own. Your task is to:

- Write 5-7 sentences that explains the most important ideas about your planet. You should pretend you are teaching someone who has never heard of this planet before new information.
- Remember to start with a topic sentence, include the most important details and end with a conclusion.

[illegible]

SCIENCE

Directions: Refer back to the passage to answer the following questions.

1. The largest planet is called _____.
 - A. Mercury
 - B. Jupiter
 - C. Saturn
 - D. Earth
2. Which planet orbits the sun on its side?
 - A. Mercury
 - B. Jupiter
 - C. Uranus
 - D. Neptune
3. Which planet is often called “the red planet?”
 - A. Venus
 - B. Saturn
 - C. Mars
 - D. Uranus
4. Which planet is surrounded by rings of ice?
 - A. Venus
 - B. Jupiter
 - C. Saturn
 - D. Neptune
5. Which planet has the most moons?
 - A. Jupiter
 - B. Saturn
 - C. Uranus
 - D. Neptune

MATH

Name: _____

Problem Solving



Use information from question #1 to answer question #2.

1. How much will it cost for three children and two adults to go to the movie?
2. How much will it cost for each child to have their own popcorn and each adult to have their own soda?

Gardenview elementary's fourth grade students are going to the movies for a field trip. All 35 students are going along with Ms. Davis and Ms. Jackson. There are 19 male students and 16 female students in our grade. Use this information to answer the questions below.

3. How much would our tickets cost for the field trip? Do not forget to include the teachers.

4. Before entering the movies all the fourth-grade girls decide they want popcorn and all the boys want candy. How much would this cost?
5. Lastly, Ms. Davis wants popcorn and a soda. Ms. Jackson wants 2 boxes of candy and a soda. How much is our total?