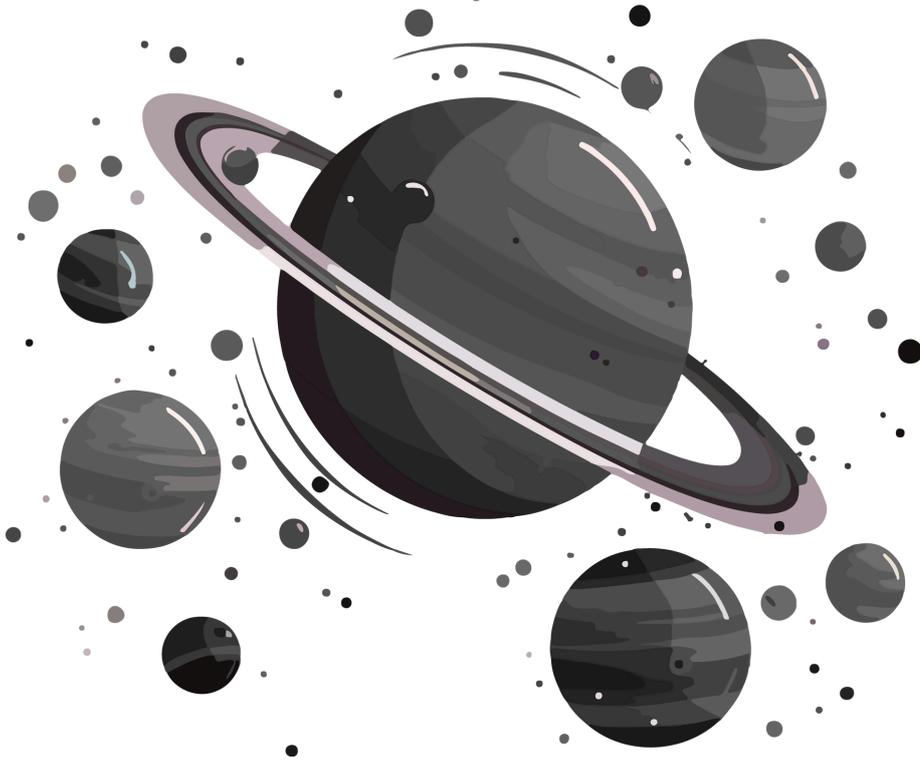


# Our Solar System

Name: \_\_\_\_\_



The Solar System is made up of the Sun and all the objects that travel around it. These objects include planets, moons, asteroids, comets, and meteoroids. The Sun is a star at the center of the Solar System and provides the heat and light necessary for life on Earth.

There are eight planets in the Solar System. They are divided into two groups: inner planets and outer planets. The inner planets—Mercury, Venus, Earth, and Mars—are small, rocky, and close to the Sun. The outer planets—Jupiter, Saturn, Uranus, and Neptune—are much larger, mostly made of gases, and are farther from the Sun. Moons are natural satellites that orbit planets. For example, Earth has one moon, while Jupiter has more than 75 moons! Some planets, like Mercury and Venus, have no moons at all.

Other objects in the Solar System include asteroids, which are rocky objects mostly found in the asteroid belt between Mars and Jupiter. Comets are made of ice, dust, and rock and have long glowing tails when they pass near the Sun. Meteoroids are smaller rocks that can enter Earth's atmosphere as meteors, sometimes seen as shooting stars.

The Solar System is held together by the Sun's gravity. Gravity keeps the planets, moons, and other objects in their orbits. Understanding the Solar System helps scientists learn about space, planets, and how life on Earth is possible.

## Questions

### A. Multiple Choice (Choose the correct answer):

What is at the center of the Solar System?

- a) Earth
- b) Moon
- c) Sun
- d) Jupiter

Which of these is NOT an inner planet?

- a) Mercury
- b) Mars
- c) Saturn
- d) Venus

What do we call natural objects that orbit planets?

- a) Comets
- b) Moons
- c) Asteroids
- d) Meteoroids

Which object is made of ice and dust and has a glowing tail near the Sun?

- a) Moon
- b) Asteroid
- c) Comet
- d) Planet

Is it True or False?

5. Jupiter has more moons than Earth. \_\_\_\_\_
6. Gravity keeps planets and moons in their orbits. \_\_\_\_\_
7. Meteoroids never enter Earth's atmosphere. \_\_\_\_\_

Answer the following questions:

**8. Name the four inner planets.**

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**9. Name the four outer planets.**

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**10. What is an asteroid and where are most of them found?**

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**11. Why is the Sun important for life on Earth?**

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**12. How does studying the Solar System help scientists?**

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