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What is Solar System

Explore the Wonders of Our Solar System!

DEFINITION

The solar system is a collection of celestial bodies, including the Sun, planets, and moons, that orbit together in space. It is our home in the universe.

KEY CONCEPTS

The Sun

The Sun is a star at the center of our solar system, providing light and heat.

Planets

There are eight major planets that orbit the Sun, each with unique features.

Moons

Many planets have natural satellites called moons that orbit around them.

Asteroids and Comets

Asteroids are rocky objects, while comets are icy bodies that can create tails when near the Sun.

Orbits

Planets and other objects travel in elliptical paths called orbits around the Sun.

EXAMPLES

- Earth is the third planet from the Sun.
- Jupiter is the largest planet in our solar system.
- The Moon orbits Earth.

MEMORY TIPS

- ★ Use the acronym 'My Very Educated Mother Just Served Us Noodles' for planet order.
- ★ Visualize the solar system as a big family with the Sun as the parent.
- ★ Imagine planets as marbles rolling around the Sun.

COMMON MISTAKES

- ✗ Confusing the order of the planets.
- ✗ Thinking Pluto is still a major planet.
- ✗ Not recognizing that moons orbit planets, not the Sun.

QUICK RECAP

The solar system consists of the Sun, planets, moons, asteroids, and comets. Remember the order of the planets and their unique characteristics for your exam.