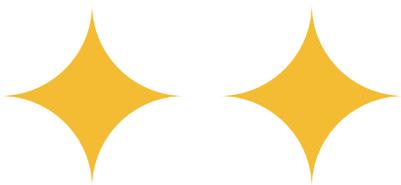




# Revision Guides

# Sun & Moon



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# Introduction

As we know now that there are many objects that we know are there in the Universe. The Universe is vast of which our galaxy is only a small part. We have the sun, planets, stars; every planet has a different number of moons, asteroids and meteors.



In this tutorial,  
we are learning about  
Sun and the Moon.

# Sun

Do you think Earth is the most important spot in the solar system?

Think again. The sun is the real star of the show—literally!

The closest star to Earth, it's the source of all the heat and light. Life wouldn't exist without it. It's also the center of our solar system and by far its largest object.

The hydrogen is packed in tightly at the core. Great pressure squeezes the hydrogen, causing it to change into helium.

A process called nuclear fusion converts hydrogen to helium deep in the sun's core, where temperatures hit a balmy 18 million degrees Fahrenheit (15.7 million degrees Celsius).

This process releases huge amounts of energy. Every second the Sun changes, or "burns," more than 600 million tons of hydrogen fuel into helium. Fusion creates energy that travels to the sun's surface in a journey that lasts a million years.

# Moon

The Moon is a large natural object that orbits, or travels around, Earth. After the Sun it is the brightest object in the sky.

The average distance between the Moon and Earth is about 238,900 miles (384,400 kilometers). Compared to the distance between other planets and Earth, this distance is small. In fact, the Moon is close enough to affect the level of seas on Earth.

The Moon is slightly more than one quarter the size of Earth. Its diameter, or distance through its center, is about 2,200 miles (3,500 kilometers). The Moon is made mostly of rock. The surface has thousands of pits called craters. The craters form when chunks of rock and metal called meteorites crash into the Moon.

In 1966 Luna 9, a spacecraft from the Soviet Union, became the first unmanned craft to successfully land on the Moon. In 1969 the U.S. Apollo 11 craft carried the first people—Neil Armstrong and Edwin (Buzz) Aldrin, Jr.—to walk on the Moon.

Ten other astronauts have walked on the Moon since then.

# Interesting Facts

The Sun's gravity is what keeps the Earth and other planets that make the solar system in orbit around it.

The Sun accounts for 99.8% of the mass of our solar system.

The Sun is the largest object in our solar system. However, It is one interesting fact that the Sun is classified as a G-type main sequence star.

The moon is the one and the only satellite of the earth. In the solar system, it is the fifth largest moon.

12 men have stepped on the moon.

The fascinating fact is all were American males.

An astronaut footprint or any other mark can last for millions of years on the moon.



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