



Sun: A Natural Source of Energy

What is the Sun?

The Sun is the nearest star to the Earth. It emits huge amounts of heat and light. It appears big because it is closer to Earth than other stars. The Sun is the main source of energy for all the planets.

Solar Energy

Solar energy is the light and heat that comes directly from the Sun. It provides energy for life on Earth. Plants use sunlight for photosynthesis (to make food). Animals and humans depend on plants for food and oxygen.

Solar energy is used for:

- Generating electricity using solar panels.
- Heating water in solar heaters.
- Cooking food in solar cookers.
- Drying clothes and grains.

Importance of the Sun

- Provides heat and light → Essential for life.
- Helps in the water cycle → Evaporates water to form clouds.
- Keeps the Earth warm → Prevents it from freezing.
- Supports plant growth → Plants make food using sunlight.
- Gives us solar energy → Used for various purposes.

Uses of Solar Energy

Electricity production: Solar panels convert sunlight into electricity.

Heating water: Solar heaters use sunlight to warm water.

Cooking food: Solar cookers use the Sun's heat for cooking.

Drying: Sunlight dries clothes, grains, and food items.

Fun Facts

The Sun is about 4.6 billion years old. It is 1.3 million times larger than Earth.



Sunlight takes about 8 minutes to reach Earth. The Sun's energy helps plants grow and keeps the planet warm.

Conclusion

The Sun is a natural source of energy. It provides heat, light, and solar energy. We should use solar energy wisely to reduce pollution and save electricity.