

All About The Different Types Of Energy

The different types of energy that help us perform our daily activities are:

CHEMICAL ENERGY:



Chemical energy is energy that is stored within the bonds of different atoms and molecules. Chemical energy is released when a chemical reaction takes place.

For example, when you burn wood, the chemical energy stored in the wood releases heat and light. The common examples of chemical energy are gasoline, biomass, and natural gas.



ELECTRICAL ENERGY:

Electrical energy is energy that is generated from electrons (tiny negatively charged atomic particles). Examples of electrical energy include batteries, lightning.



THERMAL ENERGY:

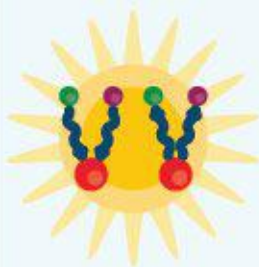
Thermal energy is defined as the energy that is produced when a rise in temperature causes atoms and molecules within a substance to move faster. Examples of thermal energy include heat that comes from a heater, a cup of hot milk, or from the sun.





MECHANICAL ENERGY:

Mechanical energy is defined as the energy generated either due to the motion of an object, called KINETIC ENERGY or due to the energy stored in an object due to its position (POTENTIAL ENERGY). Examples of mechanical energy include energy that is generated by a bowling ball, a moving vehicle, and a windmill.



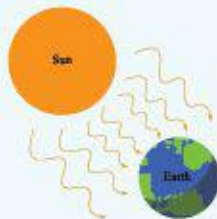
NUCLEAR ENERGY:

Nuclear energy is the energy that is stored in the nucleus (center) of the atoms. The generation of Nuclear energy can take place either through Nuclear Fusion or Nuclear Fission reactions.

In Nuclear Fusion reaction, two nuclei join to form a larger nucleus; thus, releasing energy.

In Nuclear Fission reaction, an atom splits into smaller parts and releases a large amount of energy.

Examples of nuclear energy include Sun (Nuclear fusion reaction), Nuclear bomb (uncontrolled fission reaction).



RADIANT ENERGY:

Radiant energy is the energy that travels in waves. Examples of Radiant energy include the heat that comes from a washing machine or x-rays and the energy that comes from a light bulb.



Label the forms of energy correctly

Images

Form of Energy

