

All About The Different Types Of Energy

Energy is defined as the ability to do work. Energy is everywhere around us. Energy is how things change and move. We need energy to do activities like walking, running, jumping, cooking, and eating.

There are various different forms of energy. Energy can be transferred from one form to the other, but energy can never be destroyed or created.

The following are the different types of energy that we see in things around us.

Mechanical energy

Mechanical energy is the energy stored in objects by tension. When the tension is released, motion occurs. For example, a compressed spring or a stretched rubber band contains mechanical energy.

Thermal energy

Thermal energy is the energy that comes from heat. The heat from a fire, and the heat from a boiling pot are examples of thermal energy.

Chemical energy

Chemical energy is the energy that is stored in chemicals. It is released when a chemical reaction or change takes place. Any substance that can be used as a fuel contains chemical energy.

For example, when you burn coal, the chemical energy in the coal gets converted into heat or light...

Radiant energy

Radiant energy is generated from the movement of light. It is also known as light *energy*. The sun provides the earth with radiant energy.

Electrical energy

It comes from tiny charged particles known as electrons. A lightning bolt is a form of electrical energy.

Nuclear energy

It is the energy created when the center of an atom is split apart. This type of energy is produced in nuclear power plants.

Kinetic energy

Kinetic energy is the energy that an object has due to its motion. For example, moving air has kinetic energy. The kinetic energy from moving air is used to run wind mills.

Match the form of energy with the image by drawing a line

Kinetic energy



Nuclear energy



Chemical energy



Mechanical energy



Electrical energy



Thermal energy

Kinetic energy



Radiant energy

