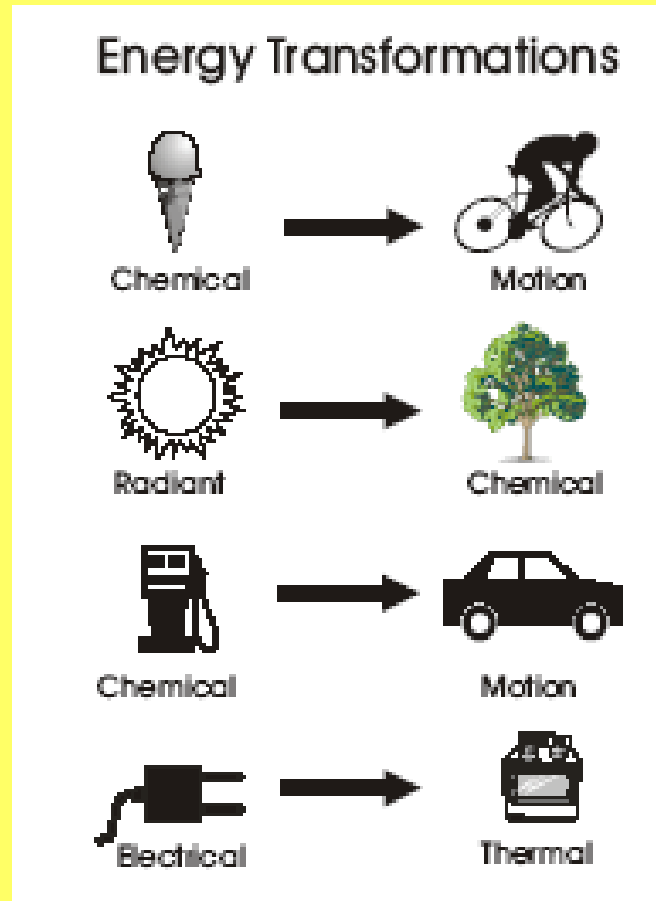


The Conservation of Energy

Law that states that energy cannot be created or destroyed.



What is energy?

- **Energy is defined as - -**
-the ability to do work



Energy

Energy is one of the most fundamental parts of our universe. We use energy to do work. Energy lights our cities.



Photo credit: corbisimages.com

Energy powers our vehicles,
trains, planes and rockets.



Photo credit: corbisimages.com

Energy warms our homes, cooks our food, plays our music, gives us pictures on television, and powers machinery in factories.



Photo credit: corbisimages.com

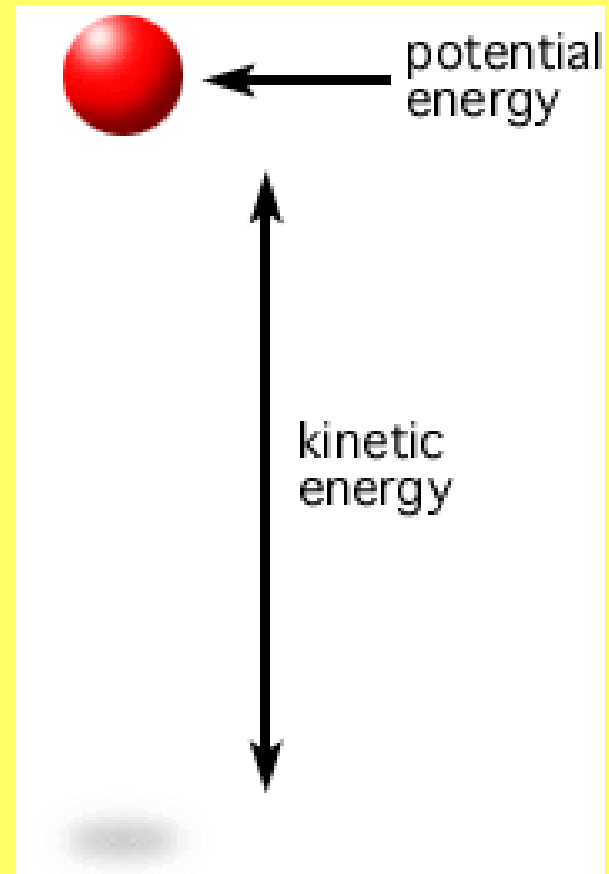
Two Main Types of Energy

Kinetic energy is motion energy.

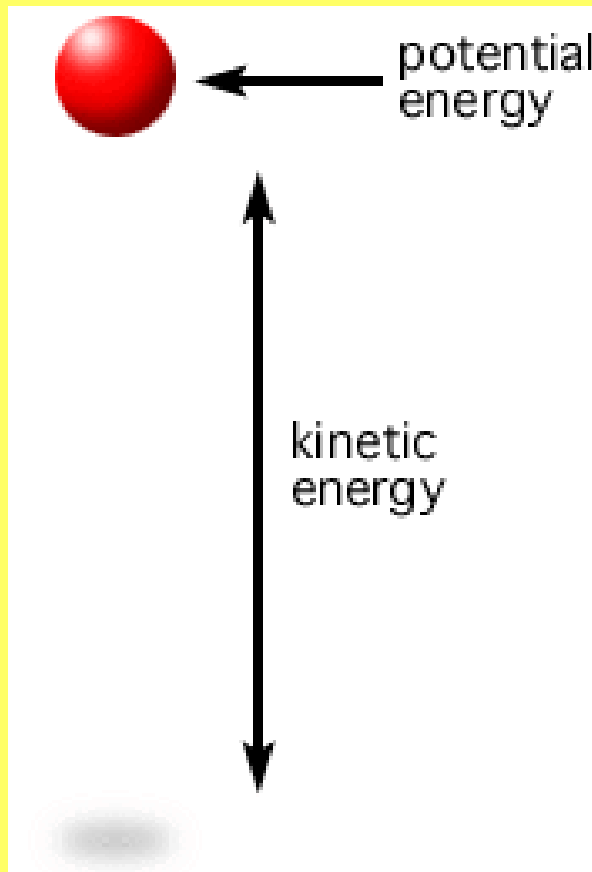
Potential is often referred to as stored energy.

Kinetic Energy

Energy of motion



Potential Energy



stored energy

Energy can be found in a number of different forms.

- Chemical
- Electrical
- Mechanical
- Nuclear
- Radiant
- Thermal

Chemical Energy

- Stored energy that is released by a chemical reaction.



Electrical Energy

- Movement of electrically charged particles.



Mechanical Energy

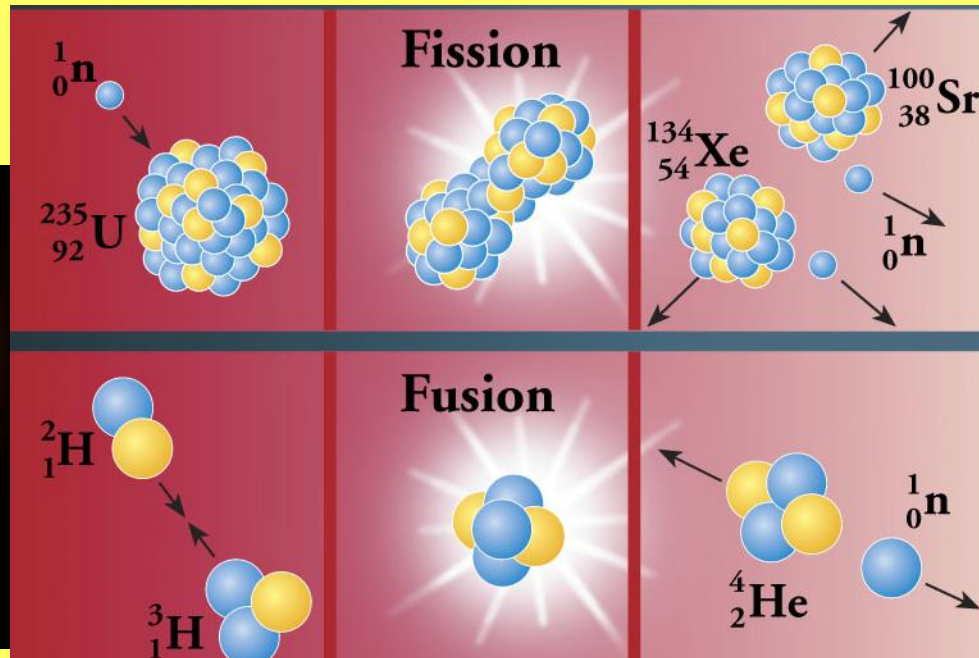
- Movement of machine parts.



Nuclear Energy

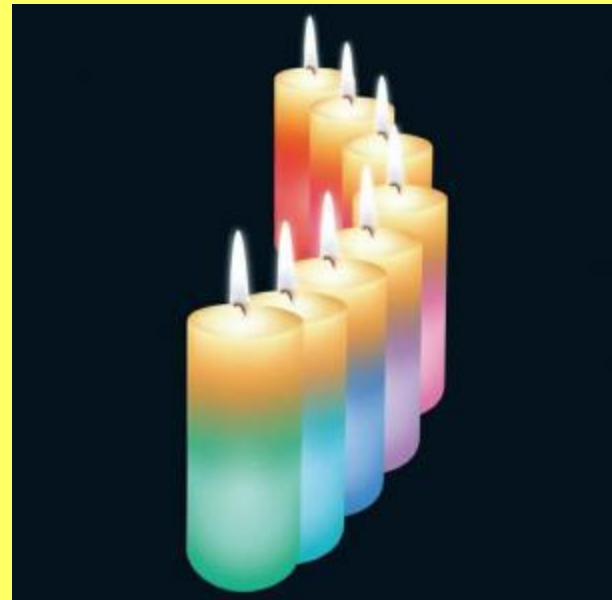
- Change in an atom's makeup.

Most powerful form of energy!



Radiant Energy

- Anything that gives off LIGHT



Thermal Energy

- Anything that gives off HEAT

