


Allows Electricity to Travel Easily	Conductors
As Kinetic Energy Increases	Potential Energy Decreases
As Potential Energy Increases	Kinetic Energy Decreases
Chemical Energy	Energy in the bonds of food or living things
Chemical Potential Energy	The energy found in the bonds of food, living things, or Batteries.
A Circuit carries	Moving Electrons
Coal is an example of	Chemical Energy in Fossil Fuels
Depleted means	To Use Up or Use All
Elastic Potential Energy	The Energy in an object that has been stretched or compressed (Like a rubber band or spring)
Electrical Energy	The Energy of moving electrons

<p>Energy Transformation in Fire from Wood & Leaves</p>	<p>Chemical, Light, Heat</p>
<p>The Energy Transformations in a Flashlight</p>	<p>Chemical to Electrical to Light to Heat</p>
<p>Examples of Chemical Energy</p>	<p>Food, Living Things, Fossil Fuels, & Batteries</p>
<p>Examples of Conductors</p>	 <p>Metal, Copper, Silver, Iron, Nickel, Lead, Aluminium, Steel, Bronze, & Brass</p>
<p>Examples of Insulators</p>	<p>Glass, Wood, Plastic, Rubber, Paper, Leather, Cardboard, Cork, Ceramic, Wool, Fabric, & Styrofoam</p>
<p>A Ferris Wheel is an example of</p>	<p>Mechanical Energy from Potential & Kinetic Energy used to move the Ferris Wheel</p>
<p>Heat/Thermal Ene</p>	<p>Energy of Moving Atoms</p>
<p>A Hot Air Balloon has</p>	<p>Chemical Energy in the Fuel burned, Thermal Energy Rising to Fill the Balloon and Kinetic Energy as it Rises Upward in the atmosphere</p>
<p>In all Energy Transformations some the Energy is changed into</p>	<p>Heat/Thermal Energy</p>
<p>Law of Conservation of Energy</p>	<p>Energy is Not CREATED nor DESTROYED, it only CHANGES FORM</p>

Mechanical Energy	Potential & Kinetic Energy used to do a job/work
MRS CHEN	Forms of Energy - Mechanical, Radiant Light, Sound, Chemical, Electrical, Nuclear
Nuclear Energy	The energy released from the nucleus of atoms
Parallel Circuit	An electrical Circuit that has TWO or MORE Paths
Possible Energy Transformations in a circuit to produce a sound	Chemical, Electrical, Sound
Potential Energy	Stored energy or the energy at rest
A Power Plant is an example of	Heat and Mechanical Energy used to generate Electrical Energy
Prevents or slows down the Electricity to Travel	Insulators
Radiant Light Energy	Energy that travels through space in straight lines
Series Circuit	An electrical Circuit that has only ONE Path

Solar Energy	From the sun and usually refers to Light/Radiant Energy
A Solar Panel needs	Radiant Light Energy to change to Electrical Energy
Sound Energy	Energy of Vibrating Particles
To Increase GPE (Gravitational Potential Energy)	Increase the HEIGHT of an Object
The total amount of energy should equal	100 percent
A Transmission Tower is an example of	Electrical Energy traveling on large wires from a power plant to homes and businesses
A Water Kettle is an example of	Thermal Energy to heat water