

Energy Review

What is **ENERGY**? *The ability to do work or cause change*

The LAW OF CONSERVATION OF ENERGY states:

2 types of Energy



Potential Energy

Types of Potential Energy

- (GPE) _____
- (CPE) _____
- (EPE) _____



Kinetic Energy

Types of Kinetic Energy

- M _____
- S _____
- T _____
- Electromagnetic Energy
- Nuclear Energy
- Electrical Energy

Types of Potential Energy

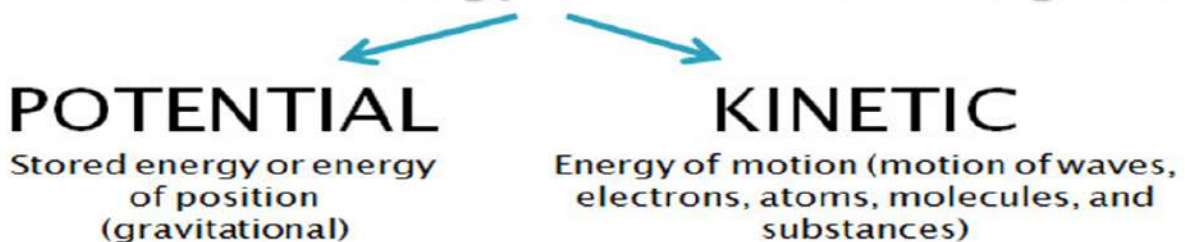
Type of Potential Energy	Definition	Example
Gravitational Potential Energy	<p><i>Energy due to an objects position</i> _____</p> <p>_____</p> <p><i>GPE increases as the distance from Earth's surface</i> _____</p> <p>GPE = MASS x HEIGHT</p>	<ul style="list-style-type: none"> • An apple falling from a tree • _____ _____ • _____ _____
Chemical Potential Energy	<p><i>Energy stored in</i> _____</p> <p>_____.</p>	<ul style="list-style-type: none"> • Potential energy found in an apple • _____ _____ • _____ _____
Elastic Potential Energy	<p><i>Energy stored when an object is</i> _____</p> <p><i>or</i> _____</p>	<ul style="list-style-type: none"> • Potential energy in a sling shot. • _____ _____ • _____ _____

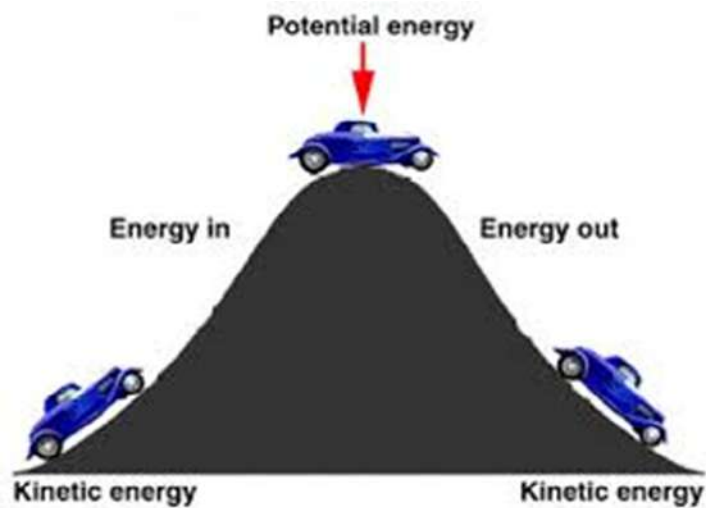
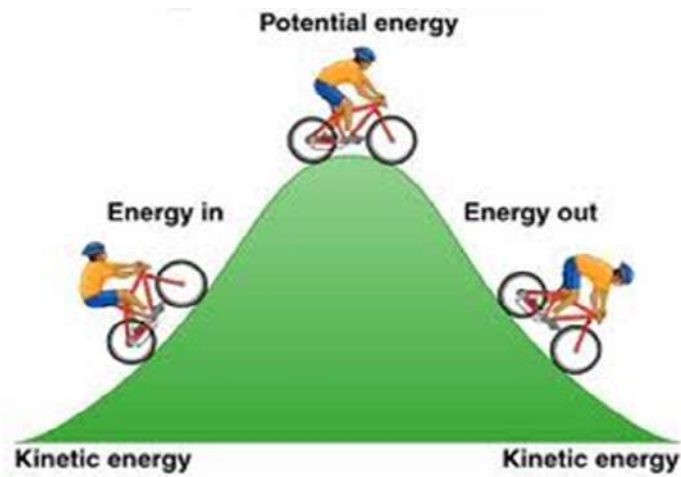
Types of Kinetic Energy

Type of Kinetic Energy	Definition	Example
Mechanical Energy	Energy that _____	<ul style="list-style-type: none"> • _____ • _____ • _____
Sound Energy	Energy that results from _____ in _____	
Thermal Energy	A measure of the total amount of _____ energy in an object	

Forms of Energy

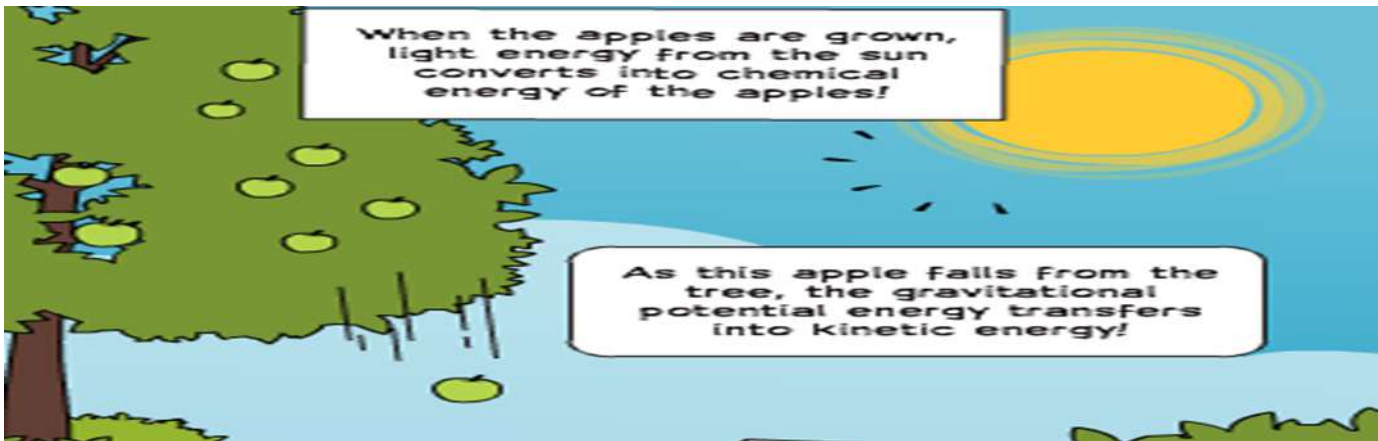
All forms of energy fall under two categories





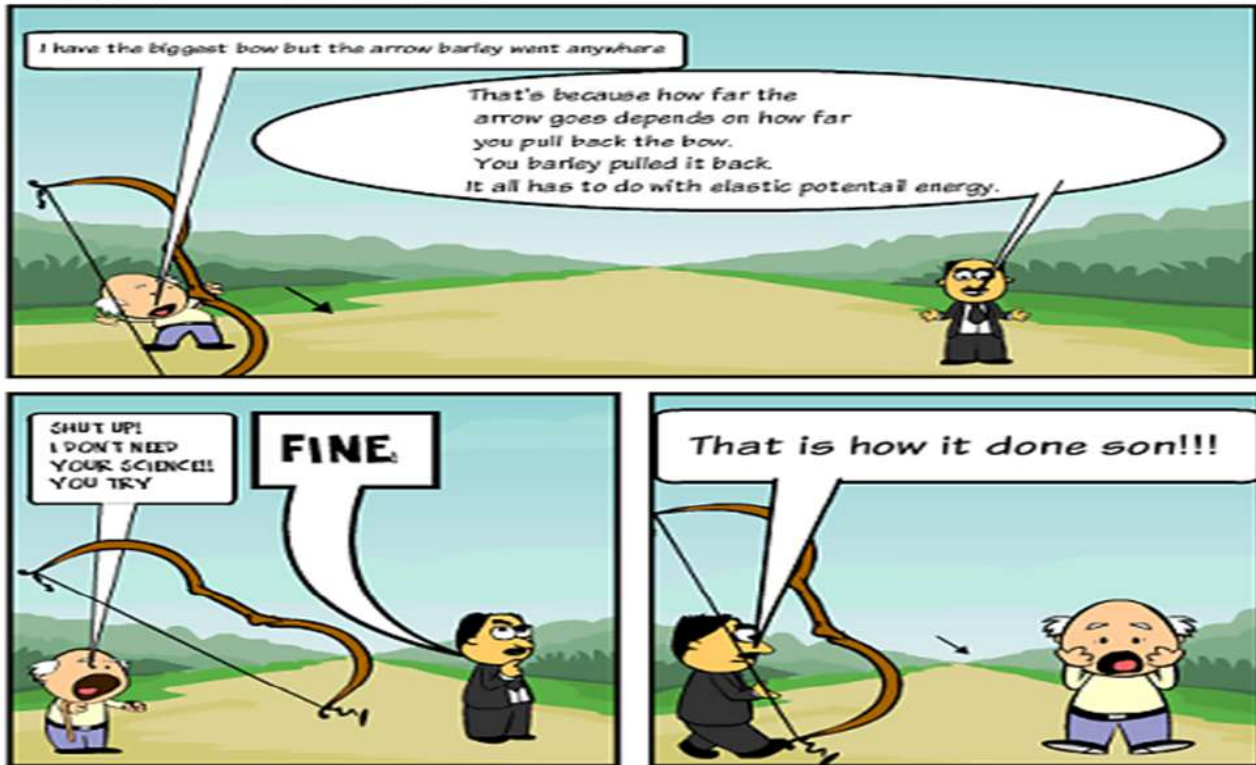
Describe the transfer of energy. As Kinetic energy increases, what happens to potential energy? AND as potential energy increases, what happens to kinetic energy?

Gravitational Potential Energy



Elastic Potential Energy

ARROW - BY TDS99



Chemical Potential Energy

