Item # _____

Interim Study Guide

Name: _____

Describe Kinetic Energy

List or illustrate (and label) 2 examples of KE:

Describe the term WORK:

Describe positive work and give an example.

Describe negative work and give an example.

Describe the following and give an example of each:

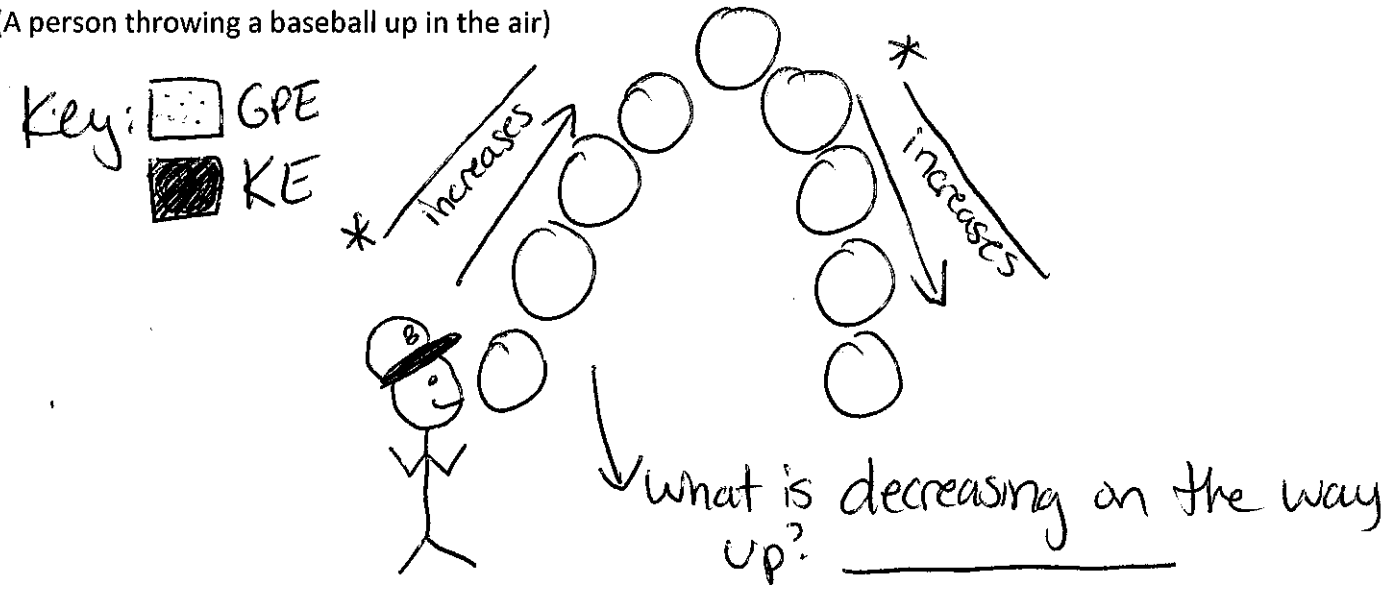
Potential Energy

Gravitational PE

Elastic PE

Describe gravity:

Complete the graphic below using GPE and KE. *be sure to label what energy is increasing and decreasing*
(A person throwing a baseball up in the air)



List the factors of each energy then give an example of how you could INCREASE the amount of energy.

Kinetic Energy	Gravitational Potential Energy	Thermal Energy

Describe thermal energy:

Describe temperature:

How is thermal energy and temperature related? How are they different?

Describe and give an example for exothermic.

Describe and give an example for endothermic.

Using the following examples identify which object/substance have more thermal energy then explain why.

1) Bowling Ball vs Lacrosse ball (both at room temperature)	2) Iced coffee vs hot coffee (same amount)	3) Cup of hot tea vs Gallon of cold tea

Review the following terms

matter	atom	element	solute/solvent
three states of matter	chemical/physical change	freezing point	condensation
melting point	boiling point	evaporation	Physical properties of matter
Solubility	Heat	Density	Mass
Volume	Independent variable	Dependent variable	Control variable
Compound	molecule		