Kinetic and Potential Energy Notes (p206-209)

\_\_\_\_Energy\_\_\_\_\_\_\_- ability to cause change; ability to do work

* Energeia means “\_\_\_activity\_\_\_”

\_\_\_Kinetic Energy\_\_\_\_\_\_- energy due to \_\_\_\_Motion\_\_\_\_\_\_\_\_

 - Depends on \_\_\_Speed\_\_\_\_\_ and \_\_\_\_Mass\_\_\_\_\_\_

 - Faster object moves= more kinetic energy

 - Heavier an object is = more kinetic energy

\_\_\_Potential Energy\_\_\_\_\_\_\_\_- \_\_\_\_Stored\_\_\_ energy due to the interactions between objects or particles

Potential Energy is present in objects when they are \_\_\_not moving\_\_\_\_\_

3 Forms of Potential Energy =

\_\_\_Gravitational\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_Elastic\_\_\_\_\_\_,

 \_\_\_\_\_Chemical\_\_\_\_\_\_\_\_

* Gravitational Potential Energy – is stored energy that depends on an

objects \_\_\_weight\_\_\_ and \_\_\_\_\_\_height\_\_\_\_\_

Example: \_\_dropping a bowling ball\_\_\_\_\_

* Elastic Potential Energy- is stored energy in objects that are

\_\_compressed\_\_\_\_\_ or \_\_\_stretched\_\_\_\_\_\_\_

Example:\_\_\_ Stretched Rubber Band\_\_\_\_\_\_

* Chemical Potential Energy- is energy stored in the

\_\_\_chemical\_\_\_\_\_ \_\_\_\_bonds\_\_\_\_\_ between atoms

Example:\_\_\_\_Food, gasoline\_\_\_\_\_\_\_\_