Energy:

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Block: \_\_\_\_\_\_\_

Lesson 2 – Energy Formulas & Variables



**Kinetic and Potential Energy Formulas**



Potential Energy



Kinetic Energy



**International System of Units:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



m =



g =



h =



v =



E =



Ex. A 5 kg bowling ball rolls at 5 m/s down the lane.



1. Identify type of energy.
2. Identify variables in question.



Energy:



Variables:



Ex. A 5000 kg car is waiting at a light at the top of a 50 m hill.



Energy:



Variables:



Ex. A 2 kg ball has a kinetic energy of 34 J. What speed was it travelling?



Ex. An 8 lbs cat sits on a couch 2m above the ground.

