

Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 2C – Units and Energy

20 Points

Complete the following based on the in class discussion on units and energy

Define the following terms

Base Unit	Derived Unit
Imperial Unit	Metric Unit

List the symbols, names, and uses of the standard units of measurement

Unit Name	Meter	Second	Mol	Ampere
Symbol				
What the Unit Measures				

Unit Name	Kelvin	Atmosphere	Candela	Kilogram
Symbol				
What the Unit Measures				

For the given equations for energy complete the chart below

Kinetic Energy	$KE = \frac{1}{2} m v^2$	$m =$	$v =$		KE Unit	$J =$
Potential Energy	$PE = m g h$	$m =$	$g =$	$h =$	PE Unit	$J =$

Define the following terms / answer the following questions

Define Kinetic Energy		If the equations for KE and PE are different how are the units the same?
Define Potential Energy		

