Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 0P – Unit 0 Review – Introduction to Chemistry   20 Points

Solve the following problems based on the measurements above. For addition and subtraction round to same decimal place as measurements.

91.59g + 35.2g		1.82L x 23.134L	
Show Work Here		*Show Work Here*	
Unrounded + Unit	Rounded + Unit	Unrounded + Unit	Rounded + Unit

Solve each problem, writing the equation for each variable given

Density	$D = \dfrac{m}{v}$	Mass	$m = D \bullet v$	Volume	$v = \dfrac{m}{D}$

D = 1.75g/mL, v = 134.29mL, find mass (*g*)		m = 481.2g, v = 295.24mL find Density (*D*)	
Equation		Equation	
D =	v =	m =	v =
m = (*Work*)		D = (*Work*)	
Mass (*m*) =		Density (*D*) =	

D = 4.18g/mL, m = 42.4g, find volume (*mL*)	
Equation	
D =	m =
v = (*Work*)	

Volume (*mL*) =

Metric Prefixes Conversion Chart

Prefix	micro	milli	centi	base	kilo	Mega
Letter symbol	μ	m	c	-----	k	M
Conversion	1000000	1000	100	1	0.001	0.0000001

Convert the following measurements from one prefix to another using the charts provided

Convert 395.2g to mg	
mass (*mg*)	

Convert 0.239kg to mg	
mass (*g*)	

Convert 1.482Mm to km	
length (*km*)	

Convert 382.5mm to cm	
Length (*cm*)	

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Unit 0 Review Cheat Sheet

You may use this section to add additional notes to use on the Unit 0 Test. No additional notes and information may be used on the test.