

/27 = %

Name: _____

Chemistry Quiz #1 - SNC 1D

1. For each of the following, identify as an:
- element
 - compound
 - solution
 - colloid
 - suspension
 - mechanical mixture

lithium	
clear apple juice	
muddy water	
air	
potassium sulphate (K_2SO_4)	
brass (a metal made from 67% copper and 33% zinc by mass)	
acetyl salicylic acid (ASA - also known as aspirin), has a chemical formula of $C_9H_8O_4$	
silver metal	
a fish	
suntan lotion	

/10 A

2. Is the rusting of a nail considered a physical or a chemical change, explain! (point form is fine)

/2 K

/12

3. Although mass is a quantitative physical property, why can it not be used to identify a substance.

/1 K

mega M	kilo k	hepto h	deca da	base unit	deci d	centi c	milli m	micro μ
←	←	←	←	←	←	←	←	←
÷1000	÷10	÷10	÷10	÷10	÷10	÷10	÷10	÷1000
→	→	→	→	→	→	→	→	→
x1000	x10	x10	x10	x10	x10	x10	x10	x1000

4. Determine the mass in g of a piece of silver with a volume of 0.585 L if the density of silver is 10.50 mg/mL. Use the full format followed in class.

/6 A

5. Determine the mass in kg of 25.00 L of vinegar, if the density of vinegar is 1.050 g/mL

/8 A

/15