

PS – Chemistry Homework

NAME _____

1) For the following compounds, find:

- 1) The Formula Mass of the compound (in units of u)**
- 2) The percentage (by mass) of each element in the compound.**

a) NH_3 (ammonia)

b) CH_3COCH_3 (Acetone)

c) $\text{C}_7\text{H}_8\text{N}_4\text{O}_2$ (Theobromine - one of the main ingredients in chocolate)

2) Complete the following table using Co (Cobalt):

Molar Mass of Co = _____ g/mol

<i>Moles</i>	<i># of atoms</i>	<i>Atomic mass</i>
		58.93 g
	30.11×10^{23}	
0.5		

3) Complete the following table using F_2 :

Molar Mass of F_2 = _____ g/mol

<i>Moles</i>	<i># of atoms</i>	<i># of molecules</i>	<i>Atomic mass</i>
2			
			38 g
	36.132×10^{23}		
		3.011×10^{23}	