WODSS SCIENCE		Name:		
S	CH 3UI		ate:	
		ass and Molecular Mass Practi		
1.	State the full meaning of the following: Example: 3 Na – 3 sodium atoms 4 KCl – 4 formula units of potassium chloride			
0	a) Fe b) CuCl <sub>2</sub> c) 2 Ca d) 4 Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>			
2.		How many atoms of hydrogen are represented in each of the following molecules?  a) KHCO <sub>3</sub> b) H <sub>2</sub> SO <sub>4</sub> c) C <sub>3</sub> H <sub>8</sub> d) HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> e) (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> f) (CH <sub>3</sub> ) <sub>3</sub> COH		
3.	Asbestos, a known cancer-causing agent, has a typical formula, Ca <sub>3</sub> Mg <sub>5</sub> (Si <sub>4</sub> O <sub>11</sub> ) <sub>2</sub> (OH) <sub>2</sub> . How many atoms of each element are given in the formula?			
4.	How many atoms of each kind are repres	sented in the following formulas?		
	a) Na <sub>3</sub> PO <sub>4</sub> b	) Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub>	c) C <sub>4</sub> H <sub>10</sub>	
	d) $Fe_3(AsO_4)_2$ e	Cu(NO <sub>3</sub> ) <sub>2</sub>	f) MgSO <sub>4</sub> •7H <sub>2</sub> O	
5.	Calculate the molecular mass of H <sub>3</sub> PO <sub>4</sub> a	and HClO <sub>4</sub> .		
6.	Calculate the molecular masses of: a) $SO_2$ b) $P_4O_{10}$ c) $UF_6$	d) NH <sub>3</sub> e) CCl <sub>4</sub>		
7.	Determine the molecular mass of these of	compounds:		
	a) methane, CH <sub>4</sub> b) potassium pe	,	·	
	e) silicon dioxide f) nitrogen dioxide g) dinitrogen pentoxide h) glucose, C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>			
8.	What is the molecular mass of each of these common chemicals compounds?			
	a) sodium bicarbonate, NaHCO <sub>3</sub> b) laughing gas, N <sub>2</sub> O			
	<ul> <li>c) Potassium permanganate, KMnO<sub>4</sub></li> <li>d) limestone, CaCO<sub>3</sub></li> <li>e) Epsom salts, MgSO<sub>4</sub>•7H<sub>2</sub>O</li> <li>f) ozone, O<sub>3</sub></li> </ul>			
	, p. 1884, <b>G</b> 194	,		
WODSS SCIENCE		Name:		
SCH 3UI		Date:		
		ass and Molecular Mass Practi		
1.	State the full meaning of the following: Ex			
	a) Fe b) $CuCl_2$ c) 2 Ca d) 4 $Fe_2(SO_4)_3$			
2.	How many atoms of hydrogen are represented in each of the following molecules?			
	a) KHCO <sub>3</sub> b) $H_2SO_4$ c) $C_3H_8$ d) $HC_2H_3O_2$ e) $(NH_4)_2SO_4$ f) $(CH_3)_3COH$			
3.	Asbestos, a known cancer-causing agent, has a typical formula, $Ca_3Mg_5(Si_4O_{11})_2(OH)_2$ . How many atoms of each element are given in the formula?			
4. How many atoms of each kind are repre		sented in the following formulas?		
	a) Na <sub>3</sub> PO <sub>4</sub> b	) Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub>	c) C <sub>4</sub> H <sub>10</sub>	
	d) $Fe_3(AsO_4)_2$ e	Cu(NO <sub>3</sub> ) <sub>2</sub>	f) MgSO <sub>4</sub> •7H <sub>2</sub> O	
5.	Calculate the molecular mass of H <sub>3</sub> PO <sub>4</sub> and HClO <sub>4</sub> .			
6.	Calculate the molecular masses of:			
	a) $SO_2$ b) $P_4O_{10}$ c) $UF_6$	d) $NH_3$ e) $CCI_4$		

8. What is the molecular mass of each of these common chemicals compounds? a) sodium bicarbonate, NaHCO<sub>3</sub> b) laughing gas, N<sub>2</sub>O

f) nitrogen dioxide

b) potassium perchlorate

Determine the molecular mass of these compounds:

c) phosphorus trichloride

g) dinitrogen pentoxide

d) sulfuric acid h) glucose,  $C_6H_{12}O_6$ 

c) Potassium permanganate, KMnO<sub>4</sub>

d) limestone, CaCO<sub>3</sub>

e) Epsom salts, MgSO<sub>4</sub>•7H<sub>2</sub>O

a) methane, CH<sub>4</sub>

e) silicon dioxide

7.

ozone, O<sub>3</sub> f)