

Name: **KEY**Date: **11/19/08** Per: _____

Chemistry

Molar Masses WS

I. Determine the compound names and molar masses of the following compounds:

Compound Formula	Compound Name	Molar Mass (g/mol)
1. KNO_2	potassium nitrite	85.104
2. NaBr	sodium bromide	102.894
3. Al_2O_3	aluminum oxide	101.961
4. CoCl_2	cobalt (II) chloride	129.839
5. LiOH	lithium hydroxide	23.948
6. $\text{Ca}_3(\text{PO}_4)_2$	calcium phosphate	310.177
7. $(\text{CH}_3)_3\text{As}$	<i>trimethylarsine</i>	120.025
8. H_3BO_3	<i>boric acid</i>	61.833
9. $\text{C}_2\text{H}_5\text{NO}_2$	<i>glycine</i>	75.067
10. $\text{C}_7\text{H}_5\text{N}_3\text{O}_6$	<i>trinitrotoluene (TNT)</i>	227.131

II. Determine the compound formulas and molar masses of the following compounds:

Compound Name	Compound Formula	Molar Mass (g/mol)
11. calcium chloride	CaCl_2	110.984
12. potassium permanganate	KMnO_4	158.034
13. tin (IV) hydroxide	$\text{Sn}(\text{OH})_4$	186.739
14. dinitrogen pentoxide	N_2O_5	108.010
15. iron (II) phosphate	$\text{Fe}_3(\text{PO}_4)_2$	357.478
16. difluorine decasulfide	F_2S_{10}	358.647
17. ammonium nitrite	NH_4NO_3	80.043
18. calcium hydrogen sulfate	$\text{Ca}(\text{HSO}_4)_2$	234.219
19. carbon tetrachloride	CCl_4	153.823
20. copper (I) sulfate	Cu_2SO_4	223.155