HW – FORMULA MASS

NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I. Give the number of moles of each element present in 1.0 mol of each of the following substances:

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| 1) NH3 | 4) Na2CO3 •10H2O | | |
| 2) N2H4 | 5) Ca3(PO4)2 | | |
| 3) (NH4)2Cr2O7          II. Find the formula mass of the following: | 6) Na2HPO4 | | |
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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1. NH4ClO3 |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. Pb(CN)2 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. Hg2O2 |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. H2 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Fe |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. P4O10 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7. H3PO4 |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8. Na2CO3 •10H2O |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9. KCl |  |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 10. C2H6 |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 11. Ba(NO3)2 |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 12. Cu2SO4 | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 13. BF3 |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 14. C6Cl6 | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 15. NH4C2H3O2 |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 16. iron(III) sulfate | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 17. sulfur dichloride |  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 18. sodium sulfate | |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 19. aluminum chloride | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20. teflon: (C2F4)500 | | |