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  |
|   |  |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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  |