

Formulas Worksheet

Name _____

Name the following. Write formulas for the following.

| | |
|---|---|
| 1) Sodium Carbonate + -2 Na_2CO_3 | 26) Aluminum Sulfate +3 -2 $\text{Al}_2(\text{SO}_4)_3$ |
| 2) Calcium Sulfate +2 -2 CaSO_4 | 27) Iron (III) Hydroxide +3 -1 $\text{Fe}(\text{OH})_3$ |
| 3) Magnesium Chloride +2 -1 MgCl_2 | 28) Chromium (III) Acetate +3 -1 $\text{Cr}(\text{C}_2\text{H}_3\text{O}_2)_3$ |
| 4) Potassium Dichromate + -2 $\text{K}_2\text{Cr}_2\text{O}_7$ | 29) Ammonium Chromate +1 -2 $(\text{NH}_4)_2\text{CrO}_4$ |
| 5) Barium Nitrate +2 -1 $\text{Ba}(\text{NO}_3)_2$ | 30) Mercury (I) Iodide +2 -1 Hg_2I_2 |
| 6) Sodium Thiocyanate + - NaSCN | 31) Zinc Phosphate +2 -3 $\text{Zn}_3(\text{PO}_4)_2$ |
| 7) Aluminum Nitrate +3 -1 $\text{Al}(\text{NO}_3)_3$ | 32) Silver Sulfate +1 -2 Ag_2SO_4 |
| 8) Lead (IV) Oxide +4 -2 PbO_2 | 33) Cadmium Bromide +2 -1 CdBr_2 |
| 9) Tin (II) Fluoride +2 -1 SnF_2 | 34) Potassium Nitrate +1 -1 KNO_3 |
| 10) Mercury (II) Chloride +2 -1 HgCl_2 | 35) Lithium Thiosulfate +1 -2 $\text{Li}_2\text{S}_2\text{O}_3$ |
| 11) Barium Iodate +2 -1 $\text{Ba}(\text{IO}_3)_2$ | 36) Ammonium Oxalate +1 -2 $(\text{NH}_4)_2\text{C}_2\text{O}_4$ |
| 12) Chromium (II) Hypochlorite +2 -1 $\text{Cr}(\text{ClO})_2$ | 37) Potassium Hexacyanoferrate (III) + -3 $\text{K}_3\text{Fe}(\text{CN})_6$ |
| 13) Iron (II) Sulfide +2 -2 FeS | 38) Copper (II) Chlorate +2 -1 $\text{Cu}(\text{ClO}_3)_2$ |
| 14) Zinc Chloride +2 -1 ZnCl_2 | 39) Calcium Nitrate +2 -1 $\text{Ca}(\text{NO}_3)_2$ |
| 15) Copper (I) Sulfide +1 -2 Cu_2S | 40) Aluminum Phosphate +3 -3 AlPO_4 |

A: Acids

| | |
|---|---|
| 16) Calcium Fluoride +2 -1 CaF_2 | 41) Hydrobromic <u>Acid</u> HBr |
| 17) Mercury (II) Chlorate +2 -1 $Hg(ClO_3)_2$ | 42) Barium Carbonate +2 -2 $BaCO_3$ |
| * 18) Carbonic <u>Acid</u> Carbonate -2 H_2CO_3 | 43) Silver Chromate +1 -2 Ag_2CrO_4 |
| 19) Sodium Acetate +1 -1 $NaC_2H_3O_2$ | 44) Iron (III) Sulfate +3 -2 $Fe_2(SO_4)_3$ |
| 20) Copper (I) Chloride +1 -1 $CuCl$ | 45) Chromium (II) Oxide +2 -2 CrO |
| 21) Iron (III) Sulfide +3 -2 Fe_2S_3 | 46) Sulfuric <u>Acid</u> H_2SO_4 |
| 22) Mercury (I) Bromide +2 -1 Hg_2Br_2 | 47) Copper (II) Nitrite +2 -1 $Cu(NO_2)_2$ |
| 23) Ammonium Sulfite +1 -2 $(NH_4)_2SO_3$ | 48) Potassium Chlorite +1 -1 $KClO_2$ |
| 24) Magnesium Nitride +2 -3 Mg_3N_2 | 49) Beryllium Hydroxide +2 -1 $Be(OH)_2$ |
| 25) Cesium Permanganate +1 -1 $CsMnO_4$ | 50) Zinc Carbonate +2 -2 $ZnCO_3$ |