COMPOUND NAMES & FORMULAS PRACTICE

IONIC COMPOUNDS

Convert the following chemical formulas into names. For ionic compounds, remember that the cation is named and then the anion.

1. KCl — potassium chloride
2. $FeCl_3$ — Iron(III) chloride
3. NH_4OH — ammonium hydroxide
4. Cu_2O — Copper(I) oxide
5. $NaOH$ — sodium Hydroxide
6. $Zn(NO_2)_2$ — Zinc nitrite
7. Li_2O — Lithium oxide
8. $CaBr_2$ — Calcium Bromide
9. $FeCO_3$ — Iron (II) carbonate
10. $Al(NO_3)_3$ — Aluminum Nitrate

Convert the following names into ionic formulas.

1. barium oxide — BaO
2. lithium sulfate — Li_2SO_4
3. iron (II) sulfite — $FeSO_3$
4. silver chloride — $AgCl$
5. copper (II) hydroxide — $Cu(OH)_2$
6. ammonium sulfide — $(NH_4)_2S$
7. iron (II) oxide — FeO
8. iron (III) oxide — Fe_2O_3
9. calcium phosphate — $Ca_3(PO_4)_2$
10. zinc hydroxide — $Zn(OH)_2$

COVALENT COMPOUNDS

Convert the following chemical formulas into names.

1. sulfur dioxide — SO_2
2. diphosphorous pentoxide — P_2O_5
3. selenium tetrafluoride — SeF_4
4. bromine monoiodide — BrI
5. ammonia — NH_3
6. oxygen difluoride — OF_2
7. dinitrogen trisulfide — N_2S_3
8. carbon tetrafluoride — CF_4
9. dichlorine pentoxide — Cl_2O_5
10. trinitrogen hexoxide — N_3O_6

Convert the following names into covalent formulas.

1. N_2S_5 — di nitrogen pentasulfide
2. H_2O — dihydrogen monoxide
3. SO_3 — sulfur trioxide
4. SbF_3 — Antimony trifluoride
5. TeI_4 — Tellurium tetraiodide
6. $SiCl_4$ — silicon tetrachloride
7. NI_3 — nitrogen triiodide
8. P_4O_{10} — tetraphosphorus decaoxide
9. CO — carbon monoxide
10. Cl_2O_9 — dichlorine nonoxide