

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Hr: \_\_\_\_\_

## Writing and Naming Random Compounds

- sodium acetate  $\text{NaC}_2\text{H}_3\text{O}_2$
- zinc sulfite  $\text{ZnSO}_3$
- silver bicarbonate  $\text{AgHCO}_3$
- potassium iodide  $\text{KI}$
- lead(IV) chlorite  $\text{Pb}(\text{ClO}_2)_4$
- mercury (I) chromate  $\text{Hg}_2\text{CrO}_4$
- lead(II) nitrite  $\text{Pb}(\text{NO}_2)_2$
- potassium dichromate  $\text{K}_2\text{Cr}_2\text{O}_7$
- magnesium carbonate  $\text{MgCO}_3$
- calcium bicarbonate  $\text{Ca}(\text{HCO}_3)_2$
- aluminum hydroxide  $\text{Al}(\text{OH})_3$
- cobalt (II) oxide  $\text{CoO}$
- iron (III) permanganate  $\text{Fe}(\text{MnO}_4)_3$
- ammonium chromate  $(\text{NH}_4)_2\text{CrO}_4$
- nitrogen triiodide  $\text{NI}_3$
- sulfur trioxide  $\text{SO}_3$
- ammonium dichromate  $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$
- iron(III) bicarbonate  $\text{Fe}(\text{HCO}_3)_3$
- ammonium perchlorate  $\text{NH}_4\text{ClO}_4$
- cobalt (IV) acetate  $\text{Co}(\text{C}_2\text{H}_3\text{O}_2)_4$
- cobalt(II) hydroxide  $\text{Co}(\text{OH})_2$
- iron(II) chromate  $\text{FeCrO}_4$
- iron (III) bromide  $\text{FeBr}_3$
- zinc sulfate  $\text{ZnSO}_4$
- trinitrogen dioxide  $\text{N}_3\text{O}_2$
- iron (III) bicarbonate  $\text{Fe}(\text{HCO}_3)_3$
- copper(II) bisulfate  $\text{Cu}(\text{HSO}_4)_2$
- acetic acid  $\text{HC}_2\text{H}_3\text{O}_2$
- barium sulfite  $\text{BaSO}_3$
- nitric acid  $\text{HNO}_3$
- calcium sulfide  $\text{CaS}$
- copper(I) bisulfate  $\text{CuHSO}_4$
- zinc permanganate  $\text{Zn}(\text{MnO}_4)_2$
- iron (III) carbonate  $\text{Fe}_2(\text{CO}_3)_3$
- hydrobromic acid  $\text{HBr}$
- hydrocyanic acid  $\text{HCN}$
- hydrogen cyanide  $\text{HCN}$
- sulfuric acid  $\text{H}_2\text{SO}_4$
- copper(I) sulfate  $\text{Cu}_2\text{SO}_4$
- chromium(III) oxide  $\text{Cr}_2\text{O}_3$
- aluminum oxide  $\text{Al}_2\text{O}_3$
- cobalt (II) bisulfate  $\text{Co}(\text{HSO}_4)_2$
- barium carbonate  $\text{BaCO}_3$
- mercury (II) chloride  $\text{HgCl}_2$
- iron (II) chromate  $\text{FeCrO}_4$
- copper (II) hydroxide  $\text{Cu}(\text{OH})_2$
- perchloric acid  $\text{HClO}_4$
- iron (III) phosphate  $\text{FePO}_4$
- lead (II) oxide  $\text{PbO}$
- cobalt (IV) chlorate  $\text{Co}(\text{ClO}_3)_4$

1.  $\text{FeCl}_3$  Iron (III) chloride
2.  $\text{HF}$  hydrofluoric acid
3.  $\text{PbSO}_4$  Lead (II) sulfate
4.  $\text{KrF}_2$  Krypton difluoride
5.  $\text{NaCl}$  Sodium chloride
6.  $\text{P}_2\text{O}_5$  diphosphorus pentoxide
7.  $\text{AlBr}_3$  Aluminum bromide
8.  $\text{Ba}(\text{NO}_3)_2$  Barium Nitrate
9.  $\text{BrF}_5$  Bromine pentafluoride
10.  $\text{P}_4\text{O}_6$  tetra phosphorus hexoxide
11.  $\text{FePO}_4$  Iron (III) phosphate
12.  $\text{Hg}_2\text{SO}_4$  mercury (I) sulfate
13.  $\text{KH}$  potassium hydride
14.  $\text{Co}_2(\text{SO}_3)_3$  Cobalt (III) sulfite
15.  $\text{N}_2\text{O}_3$  dinitrogen trioxide
16.  $\text{N}_2\text{O}$  dinitrogen monoxide
17.  $\text{Fe}(\text{NO}_2)_3$  Iron (III) nitrite
18.  $\text{Sn}_3(\text{PO}_4)_2$  Tin (II) phosphate
19.  $\text{HCl}$  Hydrochloric acid
20.  $\text{Be}(\text{OH})_2$  Beryllium hydroxide
21.  $\text{Sr}(\text{HCO}_3)_2$  Strontium bicarbonate
22.  $\text{Sr}(\text{OH})_2$  Strontium hydroxide
23.  $\text{P}_4\text{S}_{10}$  tetra phosphorus decasulfide
24.  $\text{Hg}_2\text{O}_2$  mercury (II) oxide
25.  $\text{Hg}_2(\text{OH})_2$  mercury (I) hydroxide
26.  $\text{NH}_4\text{F}$  Ammonium fluoride
27.  $\text{XeF}_6$  xenon hexafluoride
28.  $\text{K}_2\text{Cr}_2\text{O}_7$  Potassium dichromate
29.  $\text{NH}_4\text{OH}$  Ammonium hydroxide
30.  $\text{H}_3\text{PO}_4$  Phosphoric acid
31.  $\text{N}_2\text{O}_5$  dinitrogen pentoxide
32.  $\text{SnCrO}_4$  Tin (II) chromate
33.  $\text{Al}_2\text{O}_3$  Aluminum oxide
34.  $\text{CuCO}_3$  Copper (II) carbonate
35.  $\text{HClO}_2$  Chlorous acid
36.  $\text{CuS}$  Copper (II) sulfide
37.  $\text{MgI}_2$  Magnesium iodide
38.  $\text{CoCl}_3$  Cobalt (III) chloride
39.  $\text{NaCN}$  Sodium ~~oxide~~ Cyanide
40.  $\text{Hg}_3\text{N}_2$  Mercury (II) nitride
41.  $\text{BrO}_3$  Bromine trioxide
42.  $\text{SiF}_4$  Silicon tetra fluoride
43.  $\text{Sb}_2\text{O}_5$  d'Antimony pentoxide
44.  $\text{LiH}$  Lithium hydride
45.  $\text{SF}_6$  Sulfur hexafluoride
46.  $\text{SnI}_4$  Tin (IV) iodide
47.  $\text{KOH}$  Potassium hydroxide
48.  $\text{K}_2\text{O}$  Potassium oxide
49.  $\text{H}_2\text{SO}_4$  Sulfuric acid
50.  $\text{Li}_2\text{O}$  Lithium oxide