

## NAMING IONIC COMPOUNDS

Name \_\_\_\_\_

Name the following compounds using the Stock Naming System. <sup>or</sup> traditional (where appropriate)

1.  $\text{CaCO}_3$      calcium carbonate
2.  $\text{KCl}$      potassium chloride
3.  $\overset{+2}{\text{Fe}}\text{SO}_4$      iron(II) sulfate     ferrous sulfate
4.  $\text{LiBr}$      lithium bromide
5.  $\text{MgCl}_2$      magnesium chloride
6.  $\overset{+3}{\text{Fe}}\text{Cl}_3$      iron(III) chloride     ferric chloride
7.  $\text{Zn}_3(\text{PO}_4)_2$      zinc phosphate
8.  $\text{NH}_4\text{NO}_3$      ammonium nitrate
9.  $\text{Al}(\text{OH})_3$      aluminum hydroxide
10.  $\overset{+1}{\text{Cu}}\text{C}_2\text{H}_3\text{O}_2$      copper(I) acetate     cuprous acetate
11.  $\overset{+2}{\text{Pb}}\text{SO}_3$      lead(II) sulfite     plumbous sulfite
12.  $\text{NaClO}_3$      sodium chlorate
13.  $\text{CaC}_2\text{O}_4$      calcium oxalate
14.  $\overset{+3}{\text{Fe}}_2\text{O}_3$      iron(III) oxide     ferric oxide
15.  $(\text{NH}_4)_3\text{PO}_4$      ammonium phosphate
16.  $\text{NaHSO}_4$      sodium bisulfate / sodium hydrogen sulfate
17.  $\text{Hg}_2\text{Cl}_2$      mercury(I) chloride     mercurous chloride
18.  $\text{Mg}(\text{NO}_2)_2$      magnesium nitrite
19.  $\overset{+2}{\text{Cu}}\text{SO}_4$      copper(II) sulfate     cupric sulfate
20.  $\text{NaHCO}_3$      sodium bicarbonate / sodium hydrogen carbonate
21.  $\overset{+3}{\text{Ni}}\text{Br}_2$      nickel(III) bromide
22.  $\text{Be}(\text{NO}_3)_2$      beryllium nitrate
23.  $\text{ZnSO}_4$      zinc sulfate
24.  $\overset{+3}{\text{Au}}\text{Cl}_3$      gold(III) chloride
25.  $\text{KMnO}_4$      potassium permanganate