

**Practice Acid Nomenclature** (some ionic compounds as well):

Formula → Name

Name → Formula

Honors Chemistry Name \_\_\_\_\_ Period \_\_\_\_\_  
Naming Acids and Bases Review naming ws # 6

1) NaOH _____	6) HCN _____
2) H <sub>2</sub> SO <sub>3</sub> _____	7) Ca(OH) <sub>2</sub> _____
3) H <sub>2</sub> S _____	8) Fe(OH) <sub>3</sub> _____
4) H <sub>3</sub> PO <sub>4</sub> _____	9) H <sub>3</sub> P _____
5) NH <sub>3</sub> _____	

*Write the formulas of the following acids and bases:*

10) hydrofluoric acid _____	15) cobalt (II) hydroxide _____
11) hydroselenic acid _____	16) sulfuric acid _____
12) carbonic acid _____	17) beryllium hydroxide _____
13) lithium hydroxide _____	18) hydrobromic acid _____
14) nitrous acid _____	

**Naming Acids and Bases Answers**

1) NaOH <u>sodium hydroxide</u>	10) hydrofluoric acid <u>HF</u>
2) H <sub>2</sub> SO <sub>3</sub> <u>sulfurous acid</u>	11) hydroselenic acid <u>H<sub>2</sub>Se</u>
3) H <sub>2</sub> S <u>hydrosulfuric acid</u>	12) carbonic acid <u>H<sub>2</sub>CO<sub>3</sub></u>
4) H <sub>3</sub> PO <sub>4</sub> <u>phosphoric acid</u>	13) lithium hydroxide <u>LiOH</u>
5) NH <sub>3</sub> <u>ammonia</u>	14) nitrous acid <u>HNO<sub>2</sub></u>
6) HCN <u>hydrocyanic acid</u>	15) cobalt (II) hydroxide <u>Co(OH)<sub>2</sub></u>
7) Ca(OH) <sub>2</sub> <u>calcium hydroxide</u>	16) sulfuric acid <u>H<sub>2</sub>SO<sub>4</sub></u>
8) Fe(OH) <sub>3</sub> <u>iron (III) hydroxide</u>	17) beryllium hydroxide <u>Be(OH)<sub>2</sub></u>
9) H <sub>3</sub> P <u>hydrophosphoric acid</u>	18) hydrobromic acid <u>HBr</u>