

Chemistry – Chapter 9 Book assignment #2: Chapter review problems

1. Write formulas for these compounds.

- a. nitrous acid
- b. aluminum hydroxide
- c. hydroselenic acid
- d. strontium hydroxide
- e. phosphoric acid

2. Write names or formulas for these compounds.

- a. $\text{Pb}(\text{OH})_2$
- b. $\text{Co}(\text{OH})_2$
- c. copper (II) hydroxide
- d. iron (II) hydroxide

3. Write formulas for these compounds.

- a. potassium permanganate
- b. calcium hydrogen carbonate $(\text{HCO}_3)^{-1}$
- c. dichlorine heptoxide
- d. trisilicon tetranitride
- e. sodium dihydrogen phosphate $(\text{H}_2\text{PO}_4)^{-1}$
- f. phosphorus pentabromide

4. Write formulas for these compounds.

- a. magnesium sulfide
- b. sodium phosphite
- c. barium hydroxide
- d. copper (II) nitrite
- e. potassium sulfite
- f. calcium carbonate
- g. sodium bromide
- h. ferric sulfate (iron (III) sulfate)

5. Name these compounds.

- a. NaClO_3
- b. Hg_2Br_2 (**Mercury I ion is written as Hg_2^{+2}**)
- c. K_2CrO_4
- d. HClO_4
- e. SnO_2
- f. $\text{Fe}(\text{C}_2\text{H}_3\text{O}_2)_3$
- g. KHSO_4
- h. $\text{Ca}(\text{OH})_2$
- i. BaS

6. Name each substance

- a. LiClO_4
- b. Cl_2O
- c. HgF_2 (**Mercury II is written as Hg^{+2}**)
- d. CaO
- e. $\text{Ba}_3(\text{PO}_4)_2$
- f. I_2
- g. SrSO_4
- h. $\text{CuC}_2\text{H}_3\text{O}_2$
- i. SiCl_4

7. Name each compound.

- a. $\text{Mg}(\text{MnO}_4)_2$
- b. $\text{Be}(\text{NO}_3)_2$
- c. K_2CO_3
- d. N_2H_4
- e. LiOH
- f. BaF_2
- g. PI_3
- h. ZnO

i. H_3PO_4

8. Write formulas for these compounds.

a. calcium bromide

b. silver chloride

c. aluminum carbide

d. nitrogen dioxide

e. tin (IV) cyanide

f. lithium hydride

g. strontium acetate

h. sodium silicate (**Silicate** = SiO_3^{-2})