

Chapter 5 Continued:

1. Define and provide an example for the following terms:

Term	Definition	Example
Polyatomic ions		
Acids		
Binary Acids		
Oxyacids		
Formula Mass		

2. Molecular Compound Nomenclature problems:

a. CO<sub>2</sub>

b.  $\text{NCl}_3$

c. Silicon dioxide

d.  $\text{SeBr}_2$

e. Silicon tetraiodide

3. What are the rules for naming acids?

4. What are the rules for naming polyatomic compounds?

5. Acid naming problems:

a.  $\text{HBrO}_4$

b.  $\text{HI}$

c.  $\text{HIO}_4$

d. Hydrobromic acid

e. Arsenous acid

6. Solve the formula mass for  $\text{KIO}_4$