

Chapter 5: SI session 02/23/21

1. Define the following terms:

Term	Definition	Example
Chemical formulas		
Empirical formula		
Molecular Formula		
Structural Formula		
Atomic Elements		

Diatomic Elements		
Cations		
Anions		
Ionic compounds		
Molecular compounds		

Type I cations		
Type II Cations		

2. What are the 7 diatomic elements?

- a.
- b.
- c.
- d.
- e.
- f.
- g.

3. What is the stock system, and what is it used for?

4. What are the rules for naming an type I ionic compound?

5. What are the rules for naming a type II ionic compound?

Naming Ionic compounds practice:

1. Name the following compound: FeCl_2

2. Write down the formula for the following compound: Calcium Sulfide

3. Name the following compound: Cr_2O_3

4. Write down the formula for the following compound: Manganese (IV) Fluoride