

Lesson 57: Ionic Formula Notes

Chemistry with Lab

Chemical Formula

Tells the _____ number of atoms of each element in a _____.

Molecular: (_____ bonding)

Formula represents the number of _____ of each
_____ in a single _____.

Ionic: (_____ bonding)

Formula represents the _____ of
positive and negative _____ in one _____.

Ionic Bond

The _____ that binds _____ charged _____
together.

Metals

- _____ electrons
- ions are _____ charged
- _____

Nonmetals

- _____ electrons
- ions are _____ charged
- _____

Lesson 57: Ionic Formula Notes (cont.)

Chemistry with Lab

Writing Ionic Formulas

1. Write the _____ for the _____.
 - The _____ is written first.
 - The _____ is written second.
2. Determine the _____ on each ion.
3. Select _____ that will make the _____ charge equal to the _____ charge.

examples: sodium chloride

magnesium chloride

Criss-Cross Method for Formula Writing

- Write symbol of _____ followed by symbol of _____ along with their _____.
- Use the _____ of the charge of each ion as the _____ for the other.
- If the subscripts are the same, _____ them.
- Subscripts must be simplified in an ionic formula.

Examples:



Lesson 57: Ionic Formula Notes (cont.)

Chemistry with Lab

The Chemistry Quiz

CR1. _____ CR2. _____ 1. _____ 2. _____ 3. _____

4. _____ 5. _____