

Name: _____
Per: _____

Chapter 8 study guide

Definitions:

1. valence electrons
2. oxidation number
3. covalent bond
4. ionic bond
5. ion
6. cation
7. anion
8. compound
9. Coefficient
10. Subscript

From periodic table

- ✓ able to find number of valence electrons
- ✓ able to determine oxidation numbers

Lewis Dot Diagrams:

practice: Si P Kr Mg

Making compounds by balancing oxidation numbers:

example: $\text{Na}^{+1} + \text{S}^{-2} = \text{Na}_2\text{S}$

practice: $\text{Mg} + \text{I} =$

$\text{Be} + \text{Cl} =$

$\text{Ca} + \text{Cl} =$

$\text{Li} + \text{N} =$

$\text{K} + \text{B} + \text{S} =$