

Name: _____ Section: _____

Chemical Bonds & Reactions - Outline

I. Chemical Bond -

A. Important Terms

1. Valence electrons -

2. The Octet Rule -

3. Lewis Structures (Electron Dot Diagrams) -

4. Oxidation Number -

B. 3 Types of Chemical Bonds

1. Ionic -

2. Covalent -

3. Metallic -

C. Results of Bonding

1. Molecule -

- Diatomic molecule-

2. Compound -

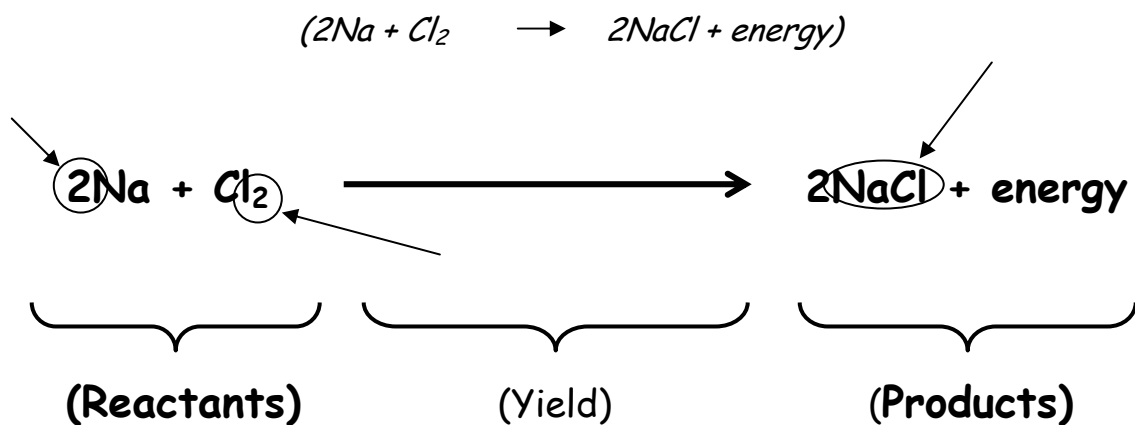
II. Chemical Reaction -

A. Changes in Matter

1. Physical Change

2. Chemical Change

B. Chemical Equation -



C. Energy and Chemical Reactions

1. Exothermic reaction -

2. Endothermic reaction -

D. Chemical Reaction Rates

E. The Law of Conservation of Mass