

Chapter 2: Chemical Bonding

2.1 Classifying Compounds

Definitions:

- Ionic compound
- Molecular compound
- Electrical conductivity
- Electrolyte

Ionic Compounds

- Metal/non-metal compounds
 - $\text{NaCl}_{(s)} \rightarrow \text{Na}^+_{(aq)} + \text{Cl}^-_{(aq)}$
 - Conducts electricity since ions (electrolytes) are formed.

Molecular Compounds

- Non-metal/non-metal compounds
 - $\text{CO}_{2(g)} \rightarrow \text{CO}_{2(aq)}$
 - Does not conduct electricity.

Homework

- Practice: 1,2,3