Unit 3.4: The Periodic Table

- Early periodic table

- Periodic law (law of octaves)

- Modern Periodic table
  - Period
  - Group (family)

  - Representative elements vs transition metals

- Classification (location/properties)
  - Metal

  - Nonmetal

  - Metalloid (semimetal)

- Electronic Stability
  - Ground state electron configurations
    - Representative elements

  - Valence electrons
WHS ♦ H Chemistry

■ Lewis Dot symbol

■ Reactivity of elements
  ● Octet rule

● Trends
  ○ Atomic radius

  ○ Ionic radius

  ■ Ion
    ● Cation

  ● Anion

■ Isoelectronic

  ○ Ionization energy (1st)

  ○ Electron affinity

  ○ Electronegativity