

## College Prep Chemistry of the Earth System

### Assignment 4H

20 Points

#### Atomic Structure Review

*For the following, answer each question*

1. What is the general structure of the atomic structure. *Include nucleus, orbits, orbitals, and valence electrons.* Draw a picture of the structure.
2. Define Bohr's Model and Lewis Dot Structures *based on in class key terms*
3. How is the modern periodic table arranged?
4. For the following atoms determine the following:
  - Group and Period Numbers
  - Number of Valence Electrons
  - Draw Lewis Dot Structure
    - a. Magnesium (*Mg*)
    - b. Potassium (*K*)
    - c. Aluminum (*Al*)
    - d. Phosphorous (*P*)
    - e. Oxygen (*O*)
    - f. Bromine (*Br*)
    - g. Neon (*Ne*)