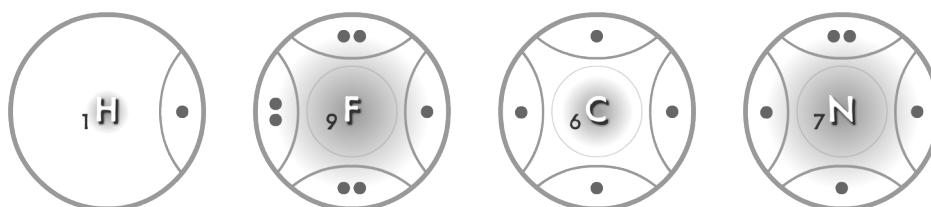


COVALENT BONDING



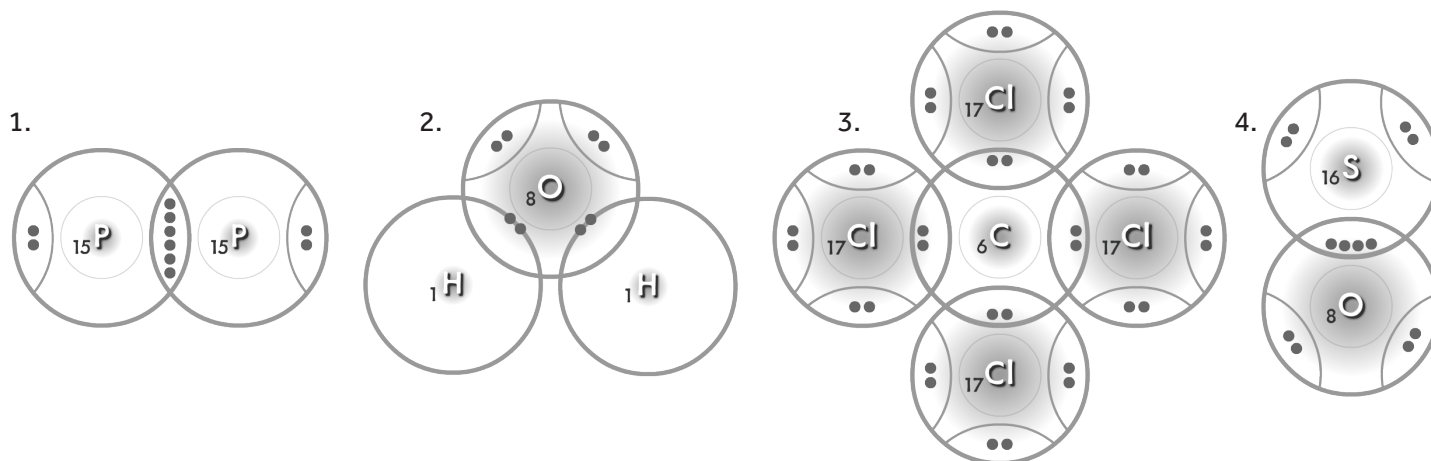
Concepts: Types of Bonds, Bond Polarity, and Molecular Shape

Directions: Using any of the following atoms, create 4 unique molecules and draw their Lewis Structure below. Check your answers by using the Collisions Covalent Bonding Sandbox.



| Molecule 1: | Molecule 2: | Molecule 3: | Molecule 4: |
|------------------|------------------|------------------|------------------|
| Lewis Structure: | Lewis Structure: | Lewis Structure: | Lewis Structure: |

Directions: For each molecule below, determine the bond polarity and bond type.



| | 1 | 2 | 3 | 4 |
|--|---|---|---|---|
| Bond Type (single, double, or triple) | | | | |
| Bond Polarity (nonpolar, semi-polar, or very polar) | | | | |