

Lewis Structure Methodology

1. Calculate the number of valence electrons.
2. Draw a skeletal structure
3. Complete octets by assigning available electrons
 - a. If too few electrons available, use double bonds
 - b. If too many electrons available, add electrons to central atom if there are available d orbitals.
4. Calculate formal charges and place multiple bonds in a manner that minimizes formal charges.
5. Draw appropriate resonance structures.