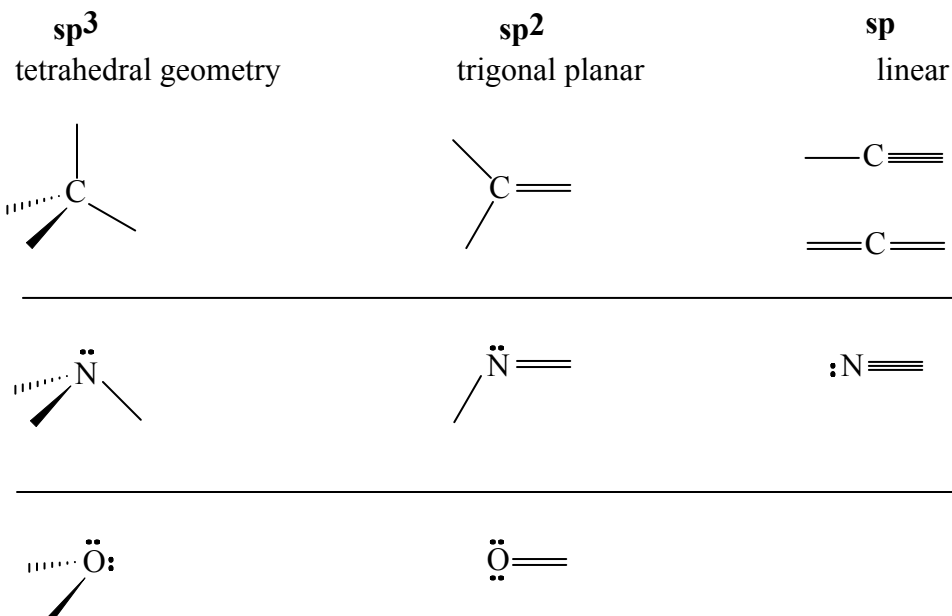
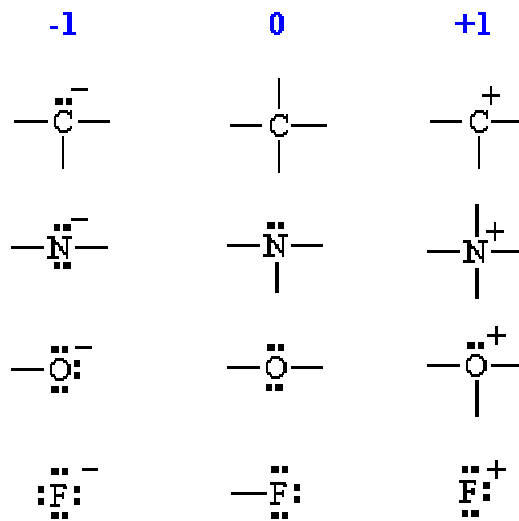


Common bonding for carbon, nitrogen and oxygen



Common anionic, neutral and cationic forms



$$\text{Formal Charge} = [\text{Group\#}] - [\# \text{ bonds}] - [\text{nonbonding } e^-]$$