

In Class Noteset 3B (Part 4)

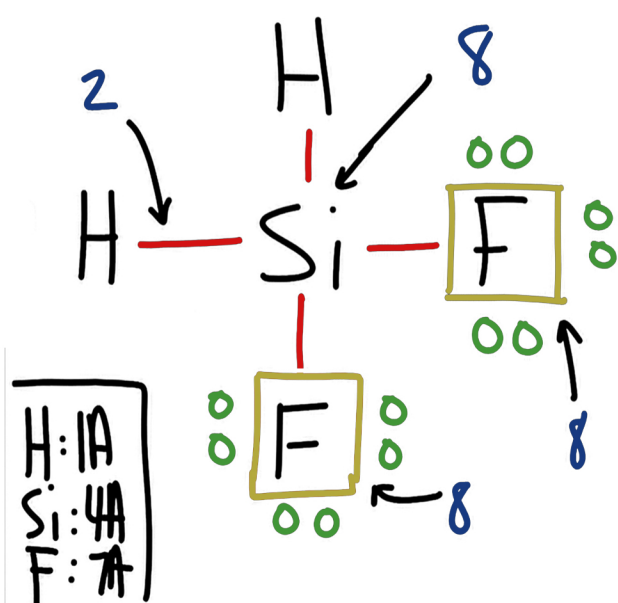
Drawing Covalent Molecular Formulas



Si: central (4A)

group pairs/bonds

group	pairs	bonds
1A	0	1
4A	0	4
5A	1	3
6A	2	2
7A	3	1
8A	4	0

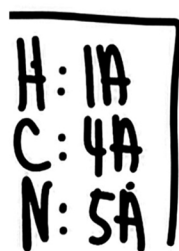
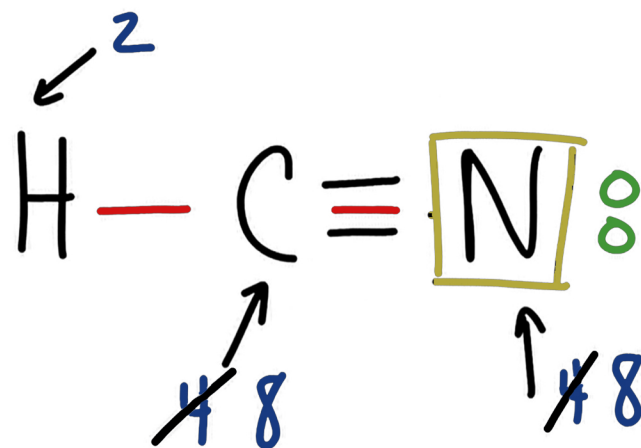
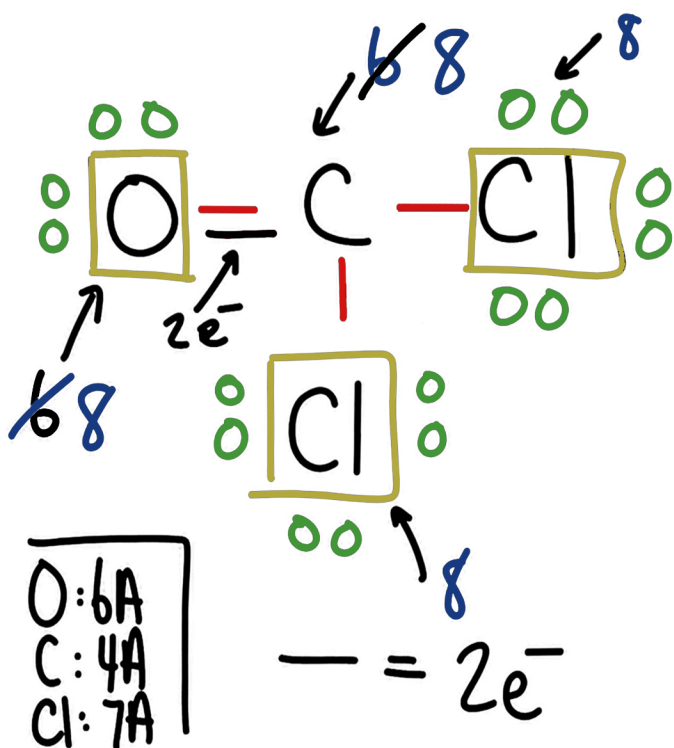


① Single Bond to each atom

② Place e^- pairs around atoms (see chart)

③ Count # e^- (1A=2, 4A-8A=8)

④ Add extra bonds



= = $4e^-$