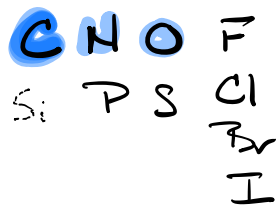


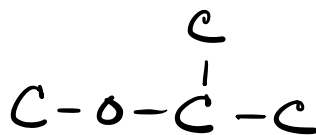
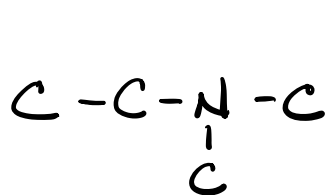
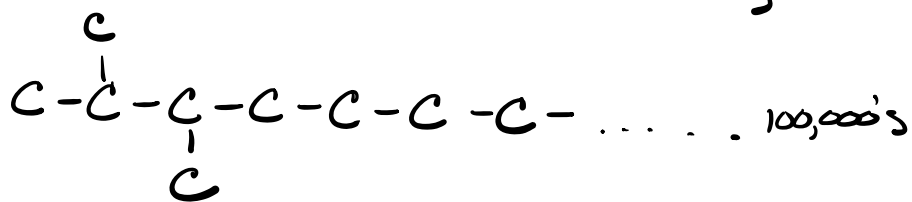
# Organic Chemistry

#



metals

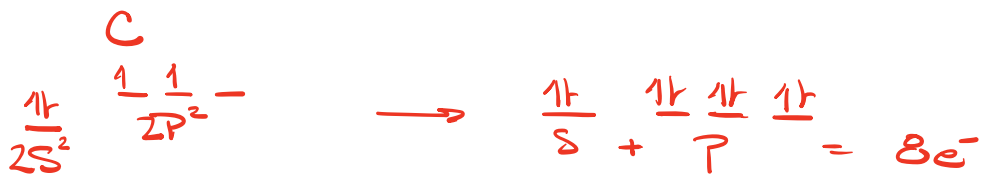
Na Pt  
Li Pd  
Fe Os  
Mn  
Mg



# Lewis Bonding

## Common Bonding Patterns

Group #	1A	2A	3A	4A	5A	6A	7A
	X·	·X·	·X·	·X·	·X·	·X·	·X·
# of atoms Bound to		4	$\overset{\ominus}{\text{B}}^-$	$\overset{\ominus}{\text{C}}^-$ octet!			
		3	$\overset{\ominus}{\text{B}}^-$	$\text{C}=\text{C}$	$\overset{\ominus}{\text{N}}^-$		
		2	$\text{B}=\text{B}$	$\text{C}=\text{C}$ $\text{C}\equiv\text{C}$	$\text{N}=\text{N}$	$\overset{\ominus}{\text{O}}^-$	
		1	$\text{B}\equiv\text{B}$ 6 valence e <sup>-</sup>		$\text{N}\equiv\text{N}$	$\overset{\ominus}{\text{O}}=$	



Isoelectronic w/  
noble gas

