

# of  $e^-$   
Groups :-

# Molecular Geometry

2	$sp$	Linear (180) NP				
3	$sp^2$	Trigonal Planar (120) NP	bent ( $<120$ ) P			
4	$sp^3$	Tetrahedral 109.5 NP	Trigonal Pyramidal ( $<109.5$ ) P	(U-shaped) bent ( $<109.5$ ) P		
5	$sp^3d$	Trigonal bipyramidal (90/120/180) NP	seesaw ( $<90$ eq, $<180$ ax) P	T-shape (90) P	Linear (180) NP	
6	$sp^3d^2$	octahedral (90) NP	Square Pyramidal (90) P	Square Planar (90/180) NP	T-shape (90) P	Linear (180) NP