VSEPR - "Valence Shell Electron Pair Repulsion" model - assumes that the bonded and unbonded electrons around an atom will push each other as far away as possible. - leads to simple geometric molecular shapes! *unpaired electrons OR bonds to other atoms VSEPR shapes: Groups around Shape Bond angle(s)

Groups around central atom	Shape	Bond angle(s) in degrees
2	linear	180
3	trigonal planar	120
4	tetrahedral / pyramidal / bent	109.5
5	trigonal pyramidal (and derivatives)	90 and 120
6	ocrahedral (and derivatives)	90





