

Lewis and VSEPR (Valence Shell Electron Pair Repulsion)

	Total Valence Electrons	Place electrons to achieve octet and duet rules (noble gas configurations)	Shape (Name)		Total Valence Electrons	Place electrons to achieve octet and duet rules (noble gas configurations)	Shape (Name)
HF				Br ₂			
F ₂				O ₃			
O ₂				C ₂ H ₂			
N ₂				C ₂ H ₆			
NH ₃				H ₂ O			

CH ₄				PH ₃			
CF ₄				H ₂ S			
CO ₂				BF ₃			
NF ₃				PCl ₃			
CO				SO ₂			