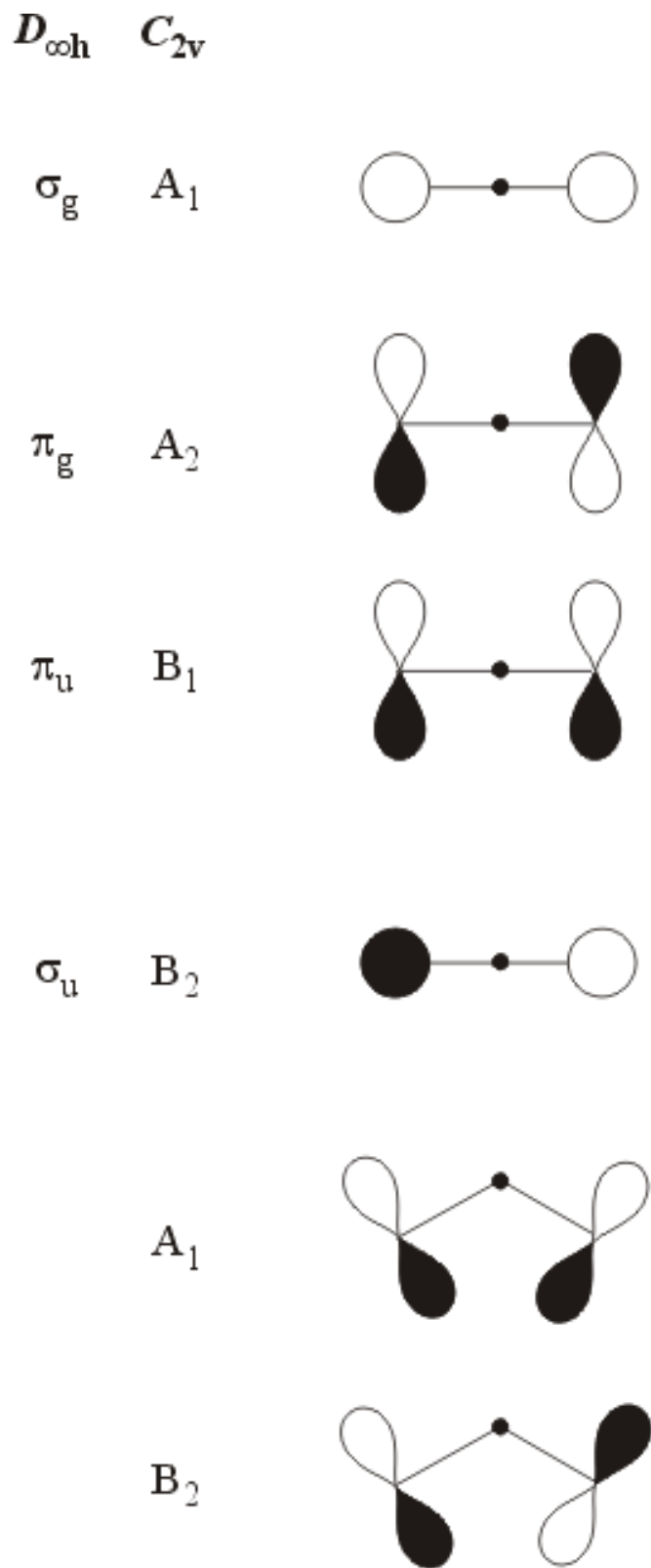
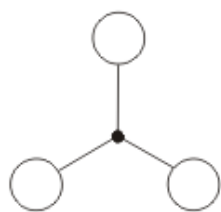


Symmetry-Adapted Linear Combinations of Atomic Orbitals



D_{3h} C_{3v}

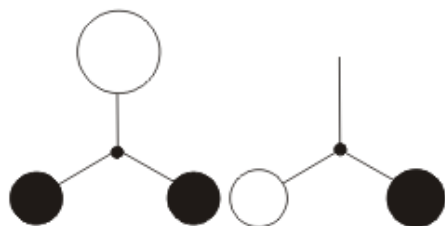
A'_1 A_1



A'_2 A_2



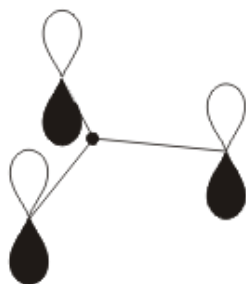
E' E



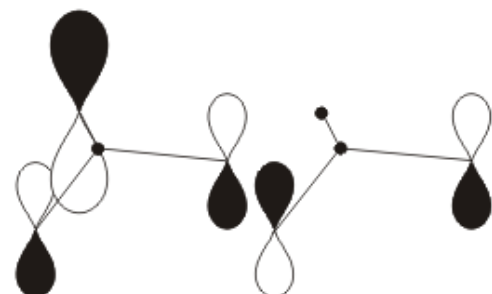
E' E



A''_2 A_1

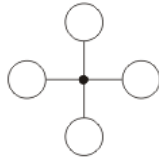


E'' E

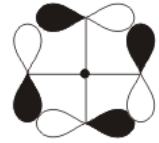


D_{4h} C_{4v}

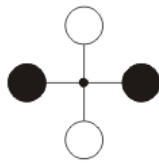
A_{1g} A_1



A_{2g} A_2



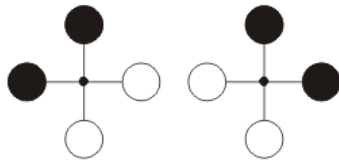
B_{1g} B_1



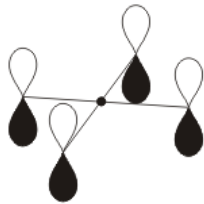
B_{2g} B_2



E_u E



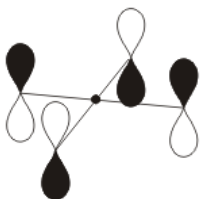
A_{2u} A_1



E_g E

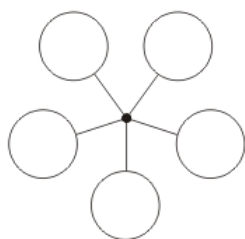


B_{2u} B_2

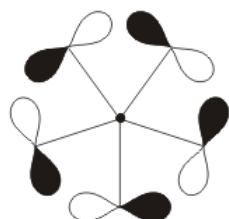


D_{5h} C_{5v}

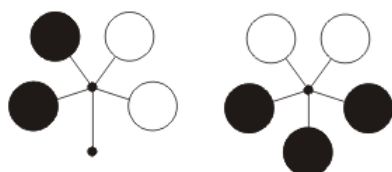
A_1' A_1



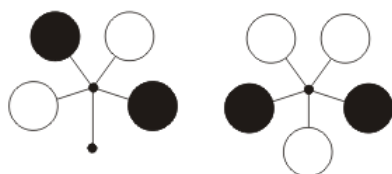
A_2' A_2



E_1' E_1



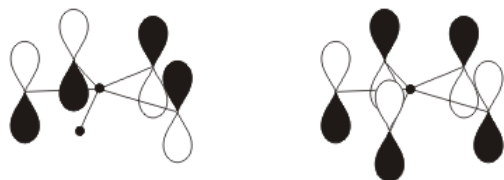
E_2' E_2



A_2'' A_1



E_1'' E_1

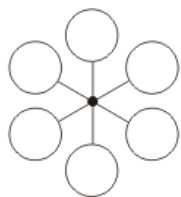


E_2'' E_2

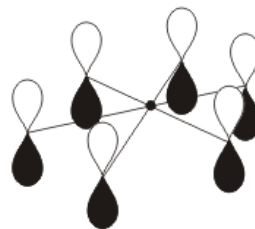


D_{6h} C_{6v}

A_{1g} A_1



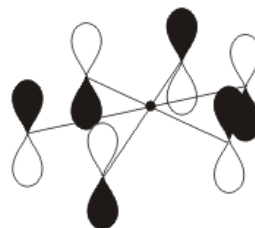
A_{2u} A_1



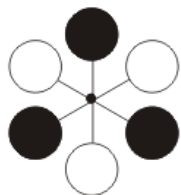
A_{2g} A_2



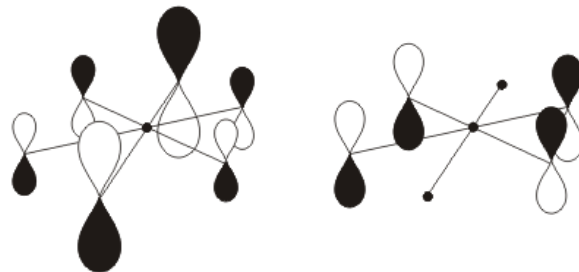
B_{2g} B_1



B_{1u} B_1



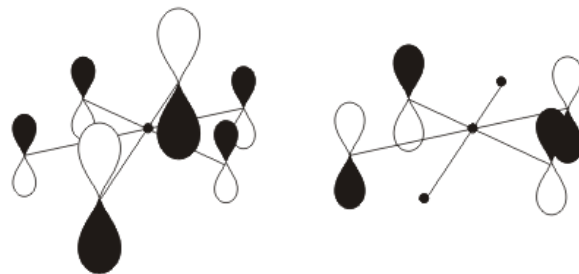
E_{1g} E_1



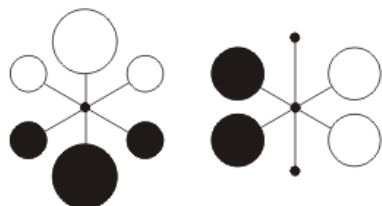
B_{2u} B_2



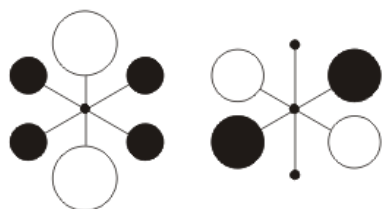
E_{2u} E_2

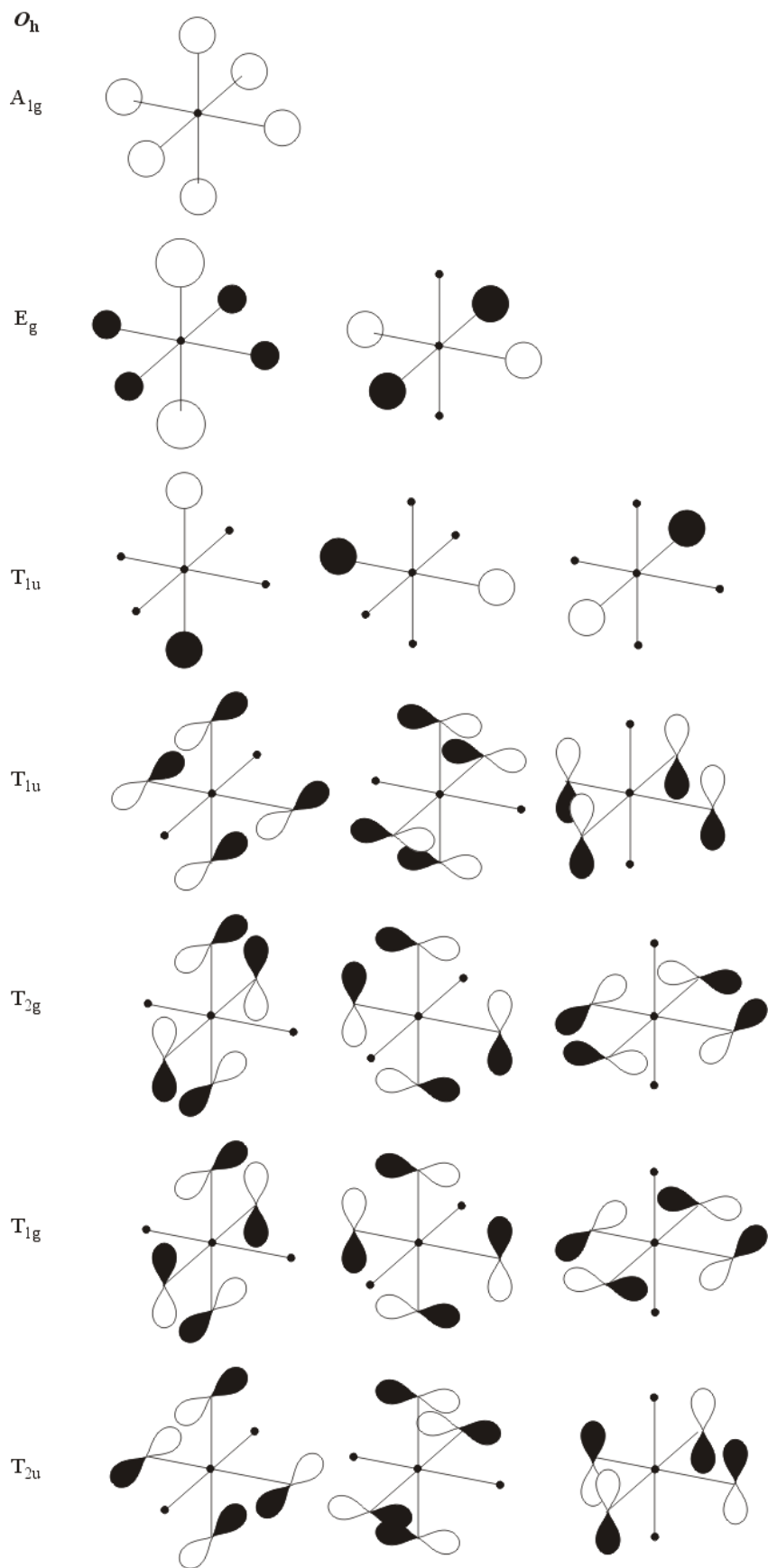


E_{1u} E_1



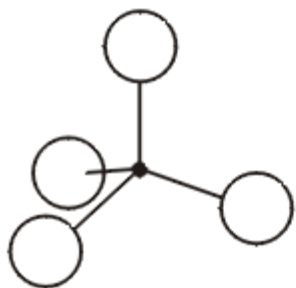
E_{2g} E_2





T_d

A_1



T_2

