

Orbital Correlation Diagrams

- Variation of orbital energy with a particular geometry parameter.
- Orbital analog of diatomic potential curves, or diagrams for ligand-field splitting.
- Curves of the same orbital symmetry will not cross.
- Applications such as *Walsh diagrams* for the shapes of triatomic molecules (bent or linear), or reaction mechanisms (*Woodward-Hoffmann rules*).
- Sidebar: symmetry-forbidden and allowed reactions; thermal and photochemical activation.

