

LECTURES 29-30 CRYSTAL FIELD THEORY

I. Coordination Chemistry

- A. Alfred Werner's formulation of Cobalt complexes
- B. Coordination complexes
 - 1. Lewis Acid-Base adducts
 - 2. Ligand
 - 3. NH_3 ligand
 - 4. Primary coordination sphere
 - 5. Coordination number

II. Isomers

- A. Geometric isomers
- B. Facial or meridional isomers
- C. Optical isomers

III. Transition / d-Block Elements