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  - Malleability, Cohesive Force, Number of Valence Electrons
  - Theories of Bonding in Metals
  - Free Electron Theory
  - Bond Lengths
  - Crystal Structures of Metals (Metallic Structures)
  - Alloy and Metallic Compounds

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- Equivalent Atoms: (Or Group of Atoms)
- Crystal Symmetry

#### 4.3 The Symmetry and Point Group

- Some Immediate Applications

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- Chirality
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#### 4.5 Group Theory: Properties of the Groups and Their Elements

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#### 4.6 Similarity Transforms, Conjugation, and Classes

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