

UNIT 6 – CONFIGURATIONAL ISOMERS

VTOC: [Stereoisomers Part II](#)

[Chirality & Symmetry](#) [Symmetry Elements](#) [Enantiomorphism](#)
[Optical Activity](#) [Configurational Nomenclature](#) [Compounds with Several Stereogenic Centers](#)
[Fischer Projection Formulas](#) [Achiral Diastereomers](#)
[Other Configurational Notations](#) [Resolution](#)

UCD: [Section 3.3: Stereoisomerism – chirality, stereocenters, enantiomers](#)
[Section 3.4: Defining stereochemical configuration - the Cahn-Ingold-Prelog system](#)
[Section 3.5: Interactions between chiral molecules and proteins](#)
[Section 3.6: Optical activity](#)
[Section 3.7: Diastereomers](#)
[Section 3.8: Fischer and Haworth projections](#)

Skills:

- 6A. Identify stereogenic centers in a molecule
- 6B. Determine the absolute stereochemistry of chiral carbons
- 6C. Determine if molecules are enantiomers, diastereomers, identical or not related.
- 6D. Predict physical properties of enantiomers and diastereomers including optical rotation.