

- Systematic names follow a different rule-set.
- **Classification of Alcohols**
 - Based on OH group bonding.
 - Primary: OH on primary carbon; Secondary: OH on secondary carbon; Tertiary: OH on tertiary carbon.
- **Amines**
 - Classification based on groups bonded to nitrogen (primary, secondary, tertiary).
 - Common names list substituents alphabetically plus "amine," written as one word.
 - Systematic names use "N" for substituents on nitrogen.
- **Summary of Nomenclature**
 - Categorizes isomerism and nomenclature rules.
- **Isomerism**
 - **Structural isomers:** Different atom attachment patterns, also known as constitutional isomers.
 - **Stereoisomers:** Same attachment pattern, different spatial orientation.
 - **Enantiomers:** Chiral, non-superimposable mirror images.
 - **Diastereomers:** Non-mirror-image, non-superimposable stereoisomers.

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