General	Instructional Objectives
Chapter	17: Amines and Amides
17.1	Bonding Characteristics of Nitrogen Atoms in
Organic	Compounds
17.2	Structure and Classification of Amines
17.3	Nomenclature for Amines
17.4	Isomerism for Amines
17.5	Physical Properties of Amines
17.6	Basicity of Amines
17.7	Amine Salts
17.8	Preparation of Amines and Quaternary Ammonium
Salts	
17.9	Heterocyclic Amines
17.10	Selected Biochemically Important Amines
17.11	Alkaloids
17.12	Structure of and Classification of Amides
17.13	Nomenclature for Amides
17.14	Selected Amides and Their Uses
17.15	Physical Properties of Amides
17.16	Preparation of Amides
17.17	Hydrolysis of Amides
17.18	Polyamides and Polyurethanes
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Students should be able to:

- 1. Draw and name simple amines and amides.
- 2. Classify amines as primary, secondary, or tertiary.
- 3. Draw and discuss the structure of the amide bond.
- 4. Write equations showing the basicity and neutralization of amines.
- 5. Write equations for the preparation and hydrolysis of amides.
- 6. Know that amphetamines, barbiturates, analgesics, anesthetics, decongestants, and antibiotics are among the medically important mines and amides.
- 7. Recognize that many carcinogens are amines or amine derivatives.
- 8. Know the general structure of an arnino acid.
- 9. Draw and discuss the structure of a peptide bond.