

- 1 Background and History
- 2 Basic Cell Biology:: Structure and Function of Genes and Chromosomes
- 3 Genetic Variation:: Its Origin and Detection
- 4 Autosomal Dominant and Recessive Inheritance
- 5 Sex-Linked and Nontraditional Modes of Inheritance
- 6 Clinical Cytogenetics:: The Chromosomal Basis of Human Disease
- 7 Biochemical Genetics:: Disorders of Metabolism
- 8 Disease-Gene Identification
- 9 Immunogenetics
- 10 Genetic Basis of Development
- 11 Cancer Genetics
- 12 Multifactorial Inheritance and Common Diseases
- 13 Genetic Testing and Gene Therapy
- 14 Genetics and Precision Medicine
- 15 Clinical Genetics and Genetic Counseling

Glossary

Answers to Study Questions