

Contents

Preface	ix
Introduction	x
Note Concerning Disease Examples	xi
Abbreviations	xii

High-Yield Facts

High-Yield Facts in Biochemistry and Genetics	I
---	---

DNA Structure, Replication, and Repair

Questions	61
Answers	81

Gene Expression and Regulation

Questions	101
Answers	132

Acid-Base Equilibria, Amino Acids, and Protein Structure

Questions	161
Answers	179

Protein Structure/Function

Questions	199
Answers	210

Carbohydrate Metabolism

Questions	223
Answers	240

Bioenergetics and Energy Metabolism

Questions	259
Answers	273

Lipid, Amino Acid, and Nucleotide Metabolism

Questions	287
Answers	310

Vitamins and Minerals

Questions	337
Answers	348

Hormones and Integrated Metabolism

Questions	365
Answers	380

Inheritance Mechanisms/Risk Calculations

Questions	401
Answers	424

Genetic and Biochemical Diagnosis

Questions	449
Answers	473

Appendix	503
Bibliography	519
Index	521