BRIEF CONTENTS

Preface ix

PART ONE

Organization of the Body

- 1 The Study of Human Anatomy 1
- 2 Cytology—The Study of Cells 25
- 3 Histology—The Study of Tissues 52
- 4 Human Development 83

PART TWO

Support and Movement

- 5 The Integumentary System 107
- 6 The Skeletal System I: Bone Tissue 130
- 7 The Skeletal System II: Axial Skeleton 150
- 8 The Skeletal System III: Appendicular Skeleton 183
- 9 The Skeletal System IV: Joints 203
- 10 The Muscular System I: Introduction 233
- 11 The Muscular System II: Axial Musculature 261
- 12 The Muscular System III: Appendicular Musculature 291
 - Atlas of Regional and Surface Anatomy 327

PART THREE

Integration and Control

- 13 The Nervous System I: Nervous Tissue 349
- 14 The Nervous System II: Spinal Cord and Spinal Nerves 369
- 15 The Nervous System III: Brain and Cranial Nerves 396
- 16 The Nervous System IV: Autonomic Nervous System and Visceral Reflexes 441
- 17 The Nervous System V: Sense Organs 459
- 18 The Endocrine System 496

PART FOUR

Maintenance

- 19 The Circulatory System I: Blood 518
- 20 The Circulatory System II: The Heart 538
- 21 The Circulatory System III: Blood Vessels 562
- 22 The Lymphatic System and Immunity 608
- 23 The Respiratory System 632
- 24 The Digestive System 652
- 25 The Urinary System 683

PART FIVE

Reproduction

26 The Reproductive System 702

Appendix: Answers to Study Guide Questions A-1

Glossary G-1

Credits C-1

Index I-1