

BRIEF CONTENTS

<i>Contents</i>	<i>v</i>
<i>Preface</i>	<i>x</i>
<i>Laboratory Safety</i>	<i>xiii</i>
<i>Comparative Safety of Preservatives</i>	<i>xv</i>
<i>Handling and Care of Animals in the Laboratory</i>	<i>xvi</i>

PART 1

ANIMAL CELLS, TISSUES, AND DEVELOPMENT 1

- 1 Microscopy 1
- 2 Animal Cells and Tissues 13
- 3 Mitosis and Meiosis 33
- 4 Development 49

PART 2

KINGDOM PROTISTA 73

- 5 Protozoa 73

PART 3

KINGDOM ANIMALIA: INVERTEBRATES 95

- 6 Porifera 95
- 7 Cnidaria 107

- 8 Introduction to Animal Morphology 125

- 9 Platyhelminthes 133

- 10 Pseudocoelomate Animals 151

- 11 Mollusca 165

- 12 Annelida 181

- 13 Arthropoda 195

- 14 Echinodermata 231

- 15 Chordata 241

PART 4

KINGDOM ANIMALIA: VERTEBRATES 249

- 16 Shark Anatomy 249

- 17 Perch Anatomy 267

- 18 Frog Anatomy 279

- 19 Fetal Pig Anatomy 305

- 20 Rat Anatomy 337