PREFACE

NEW TO THIS EDITION

Working with BVT has given us the exciting challenge of redesigning the book to make it even more user friendly. We were also able to enhance the text with BVTLab®, which further supports instructors and students alike. All materials have been updated with a special focus on the latest available approved drugs in all therapeutic classifications. These updates include the following:

- Updated asthma and COPD information with the latest assessment and treatment guidelines
- Updated therapeutic drug categories
- New tables that concisely present drug categories, dosages, and special considerations
- A new book design and new illustrations and photos enhancing presentation and facilitating visual learning

But it is also very important to note what we did not change: We strove to maintain the same user-friendly writing style that has been well received in the first three editions and to keep the rich use of analogies that has helped students to truly learn the material—rather than requiring them to rely on massive short-term memorization.

PEDAGOGICAL FEATURES

Our goal is to continue to produce a truly introductory and interactive pharmacology text that students can connect with and use to learn pharmacology. Several features have been incorporated into the textbook to help accomplish that goal; they include the following:

Learning Hints and Controversies

These special features in each chapter ensure understanding of difficult concepts and stimulate further thought.

Clinical Pearls

Clinical pearls are also interspersed throughout the chapters to connect the knowledge and show the relevancy of learning the material. In addition numerous clinical applications are presented to provide a real-world connection.

Patient and Family Education

Each chapter has a special box that discusses important education issues for both the patient and family.

Life Span Considerations

These boxes discuss issues that may affect the pediatric and geriatric populations pertaining to the concept or drug category being reviewed.

Key Terms

Key terms are boldfaced and included in the glossary. Symbols, units, and abbreviations of medical terms are defined in the chapter opener for easy reference.

Review Questions

Periodic "Time for Review" problems within each chapter help to ensure concept understanding before a student moves on to the next topic. Comprehensive questions—which build from multiple-choice and matching questions to higher-level critical thinking and case-study questions—are also included at the end of the chapter.

BVT*LAB*®

BVT*Lab* provides two areas of support for instructors and students. The Student Study Center includes resources such as eBooks, study guides, practice quizzes, flashcards, chapter summaries, multimedia content and so on, and the Online Classroom incorporates grade book, discussion forums and delivery of online assignments, quizzes, and exams.

SUPPLEMENTS AND RESOURCES

INSTRUCTOR'S SUPPLEMENTS

A complete teaching package is available for instructors who adopt this book. This package includes an online lab, instructor's manual, test bank, course management software, and PowerPoint® slides.

BVT*Lab*	An online lab is available for this textbook at www.BVTLab.com, as described in the BVT*Lab* section below.
Instructor's Manual	The instructor's manual helps first-time instructors develop the course and offers seasoned instructors a new perspective on the material. Each section of the instructor's manual coincides with a chapter in the textbook. The user-friendly format starts with chapter summaries, learning objectives, key terms, and detailed outlines for each chapter. Then the manual presents sample answers to chapter review questions and case studies, lecture suggestions, and classroom activities. Lastly, additional resources—books, articles, websites—are listed to help instructors review the materials covered in each chapter.
Test Bank	An extensive test bank is available to instructors in both hard copy and electronic formats. Each chapter has 50 multiple choice, 25 true or false, 10 short answer, and 5 essay questions. Each question is ranked by difficulty and style and referenced to the appropriate section of the text to make test creation quick and easy.
Course Management Software	BVT's course management software, Respondus, allows for the creation of tests and quizzes that can be downloaded directly into a wide variety of course management environments such as Blackboard, WebCT, Desire2Learn, ANGEL, E-Learning, eCollege, Canvas, Moodle, and others.
PowerPoint Slides	A set of PowerPoint® slides is available for each chapter and contains slides for the chapter overview, learning objectives, chapter outline, key topics, and summary and conclusion.

STUDENT RESOURCES

Student resources are available for this textbook at www.BVTLab.com. These resources are geared toward students needing additional assistance, as well as those seeking complete mastery of the content. The following resources are available:

Practice Questions	Students can work through hundreds of practice questions online. Questions are multiple choice, true/false, or short answer in format and are graded instantly for immediate feedback.
Flashcards	BVT*Lab* includes sets of flashcards that reinforce the key terms and concepts from each chapter.
Chapter Summaries	A convenient and concise chapter summary is available as a study aid.
PowerPoint Slides	All instructor PowerPoints are available for convenient lecture preparation and for students to view online for a study recap.

BVT*Lab*

BVT*Lab* is an affordable online lab for instructors and their students. It includes an online classroom with a grade book and chat room, a homework grading system, extensive test banks for quizzes and exams, and a host of student study resources as described below.

Course Setup	BVT*Lab* has an easy-to-use, intuitive interface that allows instructors to quickly set up their courses and grade books, and to replicate them from section to section and semester to semester.
Grade Book	Using an assigned passcode, students register for the grade book, which automatically grades and records all homework, quizzes, and tests.
Chat Room	Instructors can post discussion threads to a class forum and then monitor and moderate student replies.
Student Resources	All student resources for this textbook are available in BVT*Lab* in digital form.
eBook	Students who have purchased a product that includes an eBook can download the eBook from a link in the lab. A web-based eBook is also available within the lab for easy reference during online classes, homework, and study sessions.

CUSTOMIZATION

BVT's Custom Publishing Division can help you modify this book's content to satisfy your specific instructional needs. The following are examples of customization:

- Rearrangement of chapters to follow the order of your syllabus
- Deletion of chapters not covered in your course
- Addition of paragraphs, sections, or chapters you or your colleagues have written for this course
- Editing of the existing content, down to the word level
- Customization of the accompanying student resources and online lab
- Addition of handouts, lecture notes, syllabus, etc.
- Incorporation of student worksheets into the textbook

All of these customizations will be professionally typeset to produce a seamless textbook of the highest quality, with an updated table of contents and index to reflect the customized content.