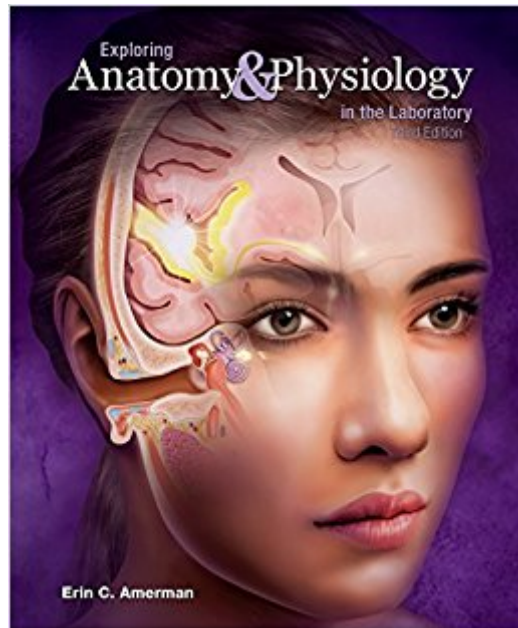




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# Exploring Anatomy & Physiology In The Laboratory, 3e



## Synopsis

This comprehensive, beautifully illustrated, and affordably priced manual is appropriate for a two-semester anatomy and physiology laboratory course. Through focused activities and by eliminating redundant exposition and artwork found in most primary textbooks, this manual complements the lecture material and serves as an efficient and effective tool for learning in the lab. Features include:

1. Objectives. Each unit begins with a set of learning goals to prepare students for what they are expected to know after completing the lab.
2. Pre-Lab Exercises. PLEs encourage students to actively prepare for the lab by defining key terms, using labeling and coloring exercises to learn anatomical structures, and reviewing vital material from previous units, saving you from having to spend excessive time reviewing material from the lecture.
3. Model Inventories. Many lab manuals do not offer specific lists of structures that the students are to identify. Instead, those lab manuals scatter the anatomical structures throughout the unit, making it difficult for both the student and instructor. Exploring Anatomy & Physiology in the Laboratory features organized and easily referenced lists of anatomical structures that students are responsible for identifying.
4. Illustrations and Photography. Many lab manuals simply reproduce artwork and exposition from the related textbook. Every figure in Exploring Anatomy & Physiology in the Laboratory, 3e was specifically designed to improve student understanding of important lab concepts and procedures.
5. Focused Activities. Focused activity describes the guiding philosophy of this lab manual. Students learn best when they are actively involved in the laboratory. Exploring Anatomy & Physiology in the Laboratory incorporates features designed for students to learn and retain the information. The manual asks students to be active by describing, labeling, writing, coloring, and drawing.
6. Tracing Exercises. Our tracing exercises ask students to write step-by-step, turn-by-turn directions tracing a substance (blood cells, food molecules, waste by-products, etc.) through the body and to trace the substance on a map of the human body. These exercises allow students to see the big picture of how the body systems interact. They also allow students to understand the relationship between structure and function.
7. Hints & Tips. Hints & Tips appear throughout the book to help students navigate some of the more difficult topics in A&P.
8. Check Your Recall/Check Your Understanding. Chapter-ending quizzes ensure that students understand key concepts and that learning goals have been achieved.

## Book Information

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[View larger](#) Exploring Anatomy & Physiology in the Laboratory, 3e This comprehensive, beautifully illustrated, and affordably priced manual is appropriate for a two-semester anatomy and physiology laboratory course. Through focused activities and by eliminating redundant exposition and artwork found in most primary textbooks, this manual complements the lecture material and serves as an efficient and effective tool for learning in the lab. For more than 10 years the Exploring Anatomy & Physiology titles have focused on the five *Be*'s. When students are prepared, organized, focused, active, and sure, they are better prepared for success in the laboratory and in their future careers. EAPL was designed with the following features to help students achieve those five goals.

**Be Prepared** Objectives set learning goals to prepare students for what they are expected to know after completing the lab, and also aid in the review of material. Pre-Lab Exercises encourage students to actively prepare for the lab by defining key terms, completing labeling and coloring exercises to learn anatomical structures, and reviewing vital material from previous units, saving instructors from having to spend excessive time reviewing material from the lecture. **Be**

**Organized & Be Focused** Model Inventories provide easily referenced lists of anatomical structures that students are responsible for identifying. These lists help students catalog the specimens they see in the lab. Illustrations and Photographs featured in the Exploring Anatomy & Physiology in the Laboratory series were specifically designed for use in the laboratory setting. The clear photographs and photomicrographs, coupled with carefully drawn illustrations, provide a

detailed view of anatomical structures to improve student retention of the material and to aid in the understanding of important concepts.      **Be Active**      **Focused Activities** describe the guiding philosophy of this lab manual. Students learn best when they are actively involved in the laboratory. In this manual, students are asked to be active by describing, labeling, writing, coloring, and drawing.      **Tracing Exercises** ask students to write step-by-step, turn-by-turn directions to follow substances (blood cells, food molecules, waste by-products, electrical events) through the human body, then trace the substances' path on a map of the body. These exercises allow students to see the big picture of how the body systems interact and to understand the relationship between structure and function.      **Be Sure**      **Check Your Understanding** questions ask students to use the information they have learned to answer critical thinking questions, frequently related to clinical scenarios.      **Check Your Recall** quizzes in each unit include labeling, fill-in-the-blank, multiple choice, and sequencing questions.

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