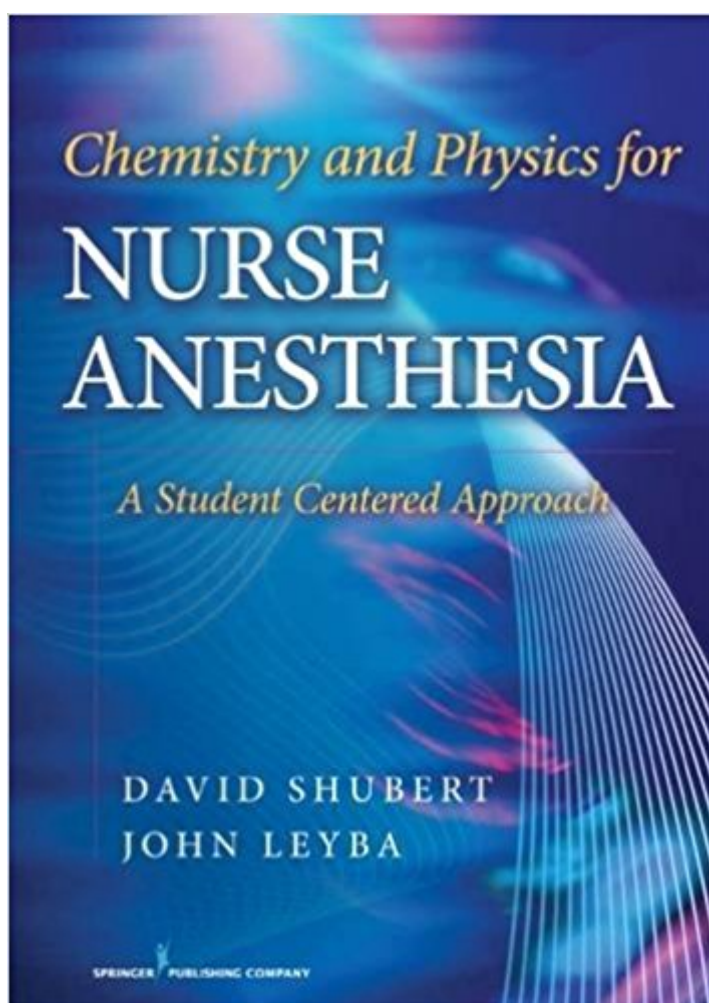


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# Chemistry And Physics For Nurse Anesthesia: A Student Centered Approach



## Synopsis

[A] welcome addition to the reference materials necessary for the study of nurse anesthesia....The textbook is divided into logical, easy to use sections that cover all areas necessary for the practice of nurse anesthesia....This is a text that is easy to read and able to be incorporated into any nurse anesthesia chemistry and physics course. I would recommend this textbook to any program director." --Anthony Chipas, PhD, CRNA Division Director Anesthesia for Nurses Program Medical University of South Carolina At last. . . a combined chemistry & physics nursing anesthesia text. This textbook offers combined coverage of chemistry and physics to help students learn the content needed to master the underlying principles of nursing anesthesia. Because many graduate nursing students are uncomfortable with chemistry and physics, this text presents only the specific content in chemistry and physics that relates to anesthesia. Written in a conversational, accessible style, the book teaches at a highly understandable level, so as to bridge the gap between what students recall from their undergraduate biochemistry and physics courses, and what they need to know as nurse anesthetists. The book contains many illustrations that demonstrate how the scientific concepts relate directly to clinical application in anesthesia. Chapters cover key topics relating to anesthesiology, including the basics of both chemistry and physics, fluids, a concentration on gas laws, states of matter, acids and bases, electrical circuits, radiation, and radioactivity. With this text, students will benefit from: A review of the math, chemistry, and physics basics that relate to clinical anesthesia A conversational presentation of just what students need to know, enabling a fast and complete mastery of clinically relevant scientific concepts Heavy use of illustrations throughout chapters to complement the text End-of-chapter review questions that help students assess their learning PowerPoint Slides available to qualified instructors.

## Book Information

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David Shubert, PhD, is Dean of the College of Arts and Sciences, Professor of Chemistry, and Director of Learning Assessment at Newman University in Kansas. Dr. Shubert co-teaches the combined Chemistry - Physics course for Nurse Anesthesia with Dr. Leyba. John Leyba, PhD, is Associate Professor of Chemistry at Newman University, Wichita, KS, where he has taught Chemistry, Physics and Calculus since 2002.

a good textbook for nurse anesthetists, doesn't quite have everything I want for my students but it is a good start

No good! I thought I ordered the 2nd edition which was advertised by picture of the 2nd edition, but isbn description was for the first and I was sent first edition. Very inconvenient to be in class with wrong book! Ordered from new book for used prices ...good book just wrong one! Advertisement should be of the right isbn and MATCHING picture as to not confuse buyers.

I have read to chapter 8 thus far and found this book to be confusing and not concise. The author uses many symbols when trying to describe equations and laws, but does not describe these symbols. Also, there are references and symbols that the author adds for no good reason. I had to use other resource books to decipher exactly what the author was trying to get across in many instances. There are problems with answers at the end of every chapter, however, each chapter does not explain the material enough to answer most of the problems dealing with equations. The author uses valuable page space to project something like this-".....We see this when we sweat (or glisten, depending on your gender)." Ch.7 page 186. Sorry Shubert, but I dislike your book very much.....In fact, I cant wait to never look at it again. I hope another author decides to write a book for nurs anesthesia about chemistry and physics in a way that is better than your book does.

Yuck, yuck. Yuck. Yuck. Yuck. Someone please write a book that is more visual in description and

feels more like a sciencebook.

Basic book for beginner

i am really looking forward to using this book while in school, i have heard good reviews about this particular item.

Very well written. Dr Leyba does a great job of compiling a book that is a great reference for anyone in the Anesthesia field

This is book is a good refresher on physics and chemistry side but very informative preliminary for starting student anesthetist like me on the rest of the chapters. Organized content, easy read.

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