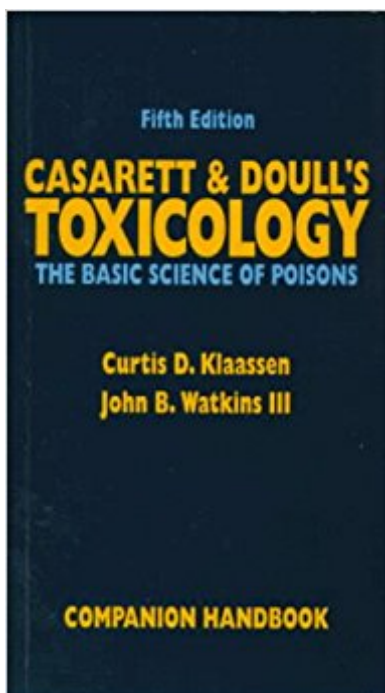


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# Casarett & Doull's Toxicology: The Basic Science Of Poisons



## Synopsis

This newest addition to the Companion Handbook Series is perfect for the toxicologist or pharmacy student who requires a brief introduction to the fundamental principles of toxicology but does not have immediate access to the textbook, nor the time for consultation. Fully page referenced to the classic text in the field, concepts are organized and presented in a logical progression from general principles to specific topics such as organ system toxicology, specific agent toxicology, and environmental toxicology. Where possible the information is summarized in tables or presented in outline format.

## Book Information

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## Customer Reviews

"New figures and more focused highlights through the use of color makes this an exciting and almost fun-to-read text. "Once again this tome plowed new ground and sown it with authoritative, comprehensive, and well written compilation of what toxicology's all about and how it affects our world and its inhabitants." (Veterinary Human Toxicology 2002-02-01)"This book is now an established classic in the field of toxicology. In the time between the fifth and sixth edition, there have been significant advances in research that warrant this edition. When it comes to completeness, there really is no comparable book on the market. " (Doody's 2001-01-01) --This text refers to an out of print or unavailable edition of this title.

Curtis D. Klaassen, Ph.D., is Professor of Pharmacology, Toxicology, and Therapeutics at the

Unviersity of Kansas Medical Center, Kansas City, KS. --This text refers to an out of print or unavailable edition of this title.

This is a book by and for professional toxicologists. Folks in the field have long regarded it as the standard. It is the primary text for most graduate programs in toxicology around the world. I own editions 2, 4 and now 7. Despite some of the rather uninformed reviews below, it does keep getting better with each subsequent edition. And note the dates on some of the other reviews, they refer to earlier editions. Number 7 just came out in November. I cannot compare the 7th edition to number 6 but I can say that relative to number 4 the introductory chapters are much improved. The first three chapters provide a solid overview of the History of Toxicology, Principles of Toxicology and Mechanisms in Toxicology. The only thing missing here is a chapter similar to Shan Gad's excellent treatise on Statistics in Toxicology found in A. W. Hayes' "Principles and Methods of Toxicology" (which you should also own). Andrew Parkinson's chapter, Biotransformation of Xenobiotics, is by itself worth the purchase price, and the chapter on Toxicokinetics is one of the best short discussions of this subject I have seen. The book then has chapters on Chemical Carcinogenesis, Developmental Toxicology and toxicology related to various organ systems. As with any large text written by a group of experts in a particular field these chapters are variable in quality and sometimes tend to emphasize the research interests of the individuals writing the chapter. I found the chapter on hepatic toxicology terse and inadequate considering the importance of this organ system. The chapters on pulmonary and renal toxicology are stronger. With the exception of the chapter on metals, the other chapters on Toxic Agents are far from comprehensive. The topics of animal venoms, plant toxins, radiation and pesticides really require books of their own but the treatment here is adequate for the entry-level graduate student. The chapter on Regulatory Toxicology is most informative if about as exciting as watching paint peel. The book does contain a very few factual errors, but this is not surprising in a book this size written by so many people. It does not make the book any less valuable for the toxicologist. It would be next to impossible for Dr. Klaassen to police completely such a massive text. That said, the editing (and certainly the printing) has not yet approached the level of sophistication found in such texts as Goodman and Gilman or Harrison's Principles of Internal Medicine. The book still cries for greater internal consistency and the imposition of standards that lead the individual chapter authors away from their personal interests (I had an advisor once that taught four lectures to medical students on cyanide, he was the expert) and more toward general principles and practice. There is also a glaring lack of information about the now not so new advances in molecular toxicology; some of the authors need a few new

arrows in their quivers. But, the single worst fault of the book is the index or serious brevity there of. For example, the chapter on ocular toxicology describes the classic Draize test over nearly two pages yet the word Draize is nowhere to be found in the index. It lists very few chemicals. This lack of a comprehensive index seriously limits the usefulness of the book as a reference. You already have to know a lot of toxicology to find what you are looking for in the text. If you aspire to be a toxicologist (and you should), buy this book. If you desire to become a Diplomate of the American Board of Toxicology (and you should), buy this book - many of the exam questions come directly from it. Once you really know enough to understand its flaws you will probably be a toxicologist.

This book is really hard to follow and difficult to find the information you are looking for. I recommend getting the Essentials of Toxicology - Casarett & Doull's Essentials of Toxicology (Casarett and Doull's Essentials of Toxicology). It is a much easier book to follow and understand, though it does not have as much information as it is a condensed version.

Pretty good textbook and reference

Besides being very dry, it is not put together well. It may be the toxicology bible; However, it jumps around way to much, making it hard to put the pieces together for a complete picture.

I have every C&D from the 3d edition. I bought this copy solely to study for the DABT exam. Imagine my surprise when I start to look for citations in the index, and things like formaldehyde and methylene chloride are not there at all, even though there's a full page on MC in the book. While the index of the 6th edition is 39 pages, this one only has 16. If you are buying this to read full chapters, you're probably OK, but if you're looking up specific items, good luck. After full satisfaction with 4 editions in a row, they really went cheap on this one.

This text is ONLY PRINTED IN BLACK AND GREEN...even the detailed figures/diagrams have varying shades of green as the only color (even though they reference a different color in the figure caption), which renders many of the more complicated figures very difficult to understand. The electronic version of "Essentials" available for Kindle has very nice detailed color pictures.

Great book that covers what you need for any toxicology class! Updated versions don't change much.

If you are into Toxicology you can't get much better than this resource. If you do not have the appropriate background you will most likely struggle with the technical level of this textbook, but that might be why you are in a course to learn it!

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