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Inorganic Chemistry: Principles Of Structure And Reactivity (4th Edition)



Synopsis

This text prepares students for current work in chemistry through its up-to-date coverage. Its approach, which is patterned on professional literature, offers students a look at the discipline and introduces them to topics such as bio-inorganic chemistry and solid state chemistry.

Book Information

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Customer Reviews

This book was used in a class I nearly took in college; while I couldn't fit the course into my schedule, I kept the book. What the book does, it does well: for example, its coverage of the noble gases is quite extensive. It also does an excellent job covering acid/base chemistry, going into far more detail than any book I had seen to that point (although its approach tended to be descriptive and qualitative rather than quantitative). That said, there are some significant gaps in the book: for example, while there is a chapter on the halogens and noble gases, there are no corresponding chapters for the other element groups (though that doesn't mean they aren't treated). The biggest flaw in this book, though, is the woefully inadequate index: there are many, many things that should be listed, but aren't. For example, the book uses a certain type of diagram in three different chapters. Only the second and third instances, though, are listed in the index; the first time, where the diagrams are actually explained, is not listed at all. Similarly, there are very few entries for the elements themselves: there are no entries *at all* for hydrogen, iodine, copper, or calcium, just to name four. All in all, it's still a very good book, but it's by no means perfect (or the only book of its kind). Large sections of the book are written at a relatively advanced level, so I certainly wouldn't recommend this for someone who hasn't had a significant chemistry background, but I would recommend it for someone trying to build a reference library.

I bought this book on the recommendation of one of my chemistry advisors. I must say, it is one of the best books available on the market for inorganic chemistry. The chapters on bonding, solid state, and coordination are very well done, but the authors have done a good job on the rest as well. They don't try to gloss over anything and provide references for further reading. I used this book as background for an inorganic synthesis project; I am using it for a one-semester inorganic class now (the book was designed for a two-semester class), and I will use it again when I take a higher class in inorganic chemistry.

This book is a fantastic approach for Inorganic Chemistry! Far from the usual descriptive inorganic chemistry found in other books, Huheey's work is a complete and thorough guide to undergraduate students; it explains important subjects which are left out in other works. The chapters about bonding are specially well written and have good information that can be well understood by chemistry students. There is only one little flaw, its lack of colored pictures. It may seem silly, but some students can be greatly encouraged by this. It is a great book and I recommend it to anyone who plans to partake an Inorganic Chemistry course.

There are not a lot of I-CHEM textbooks out there in the first place, and finding a decent one is even harder. This one, however, ranks among the decent ones. While it's not brand new, the concepts and explanations are applicable to the latest college I-CHEM class. I bought this book as an inexpensive supplement to my other I-CHEM textbook from Housecroft. This book helps to reinforce and explain some of concepts you might get in a book like Housecroft's in a little more depth. I will say, for those of you who might feel this is important, is that this textbook isn't full of color illustrations and graphs. It's all black and white graphs and print. To most this won't matter, but to some it makes the book too boring to read - so I thought I'd put that info in my review.

The print is far too small to read. There is no good excuse for this, as there is a lot of wasted space on the page, in the margins. Sometimes the symbols are so small you can't even make them out. This should have been two volumes with larger type and a smaller footprint. I can't even comment on the content because I hate reading this book so much.

Opening this book feels a bit like picking up a slightly wordier CRC Handbook. The index could use some work. The writing is dense and hard to follow in a lot of places. I would never use it as a

textbook, only as a reference, but a good one.

Many say the book is difficult to understand (ie. overly technical), however I found it not to be so. The book uses relatively easy to understand examples, and even though at times the author does get a little presumptuous with the math, overall it vastly increased my knowledge of chemical bonding. So, it's a good book.

This book is well organized and flows well from chapter to chapter and somewhat easy to follow even though the topic is geared toward junior/senior undergraduate or graduate student level. It's helpful to have had physical chemistry before learning this subject.

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