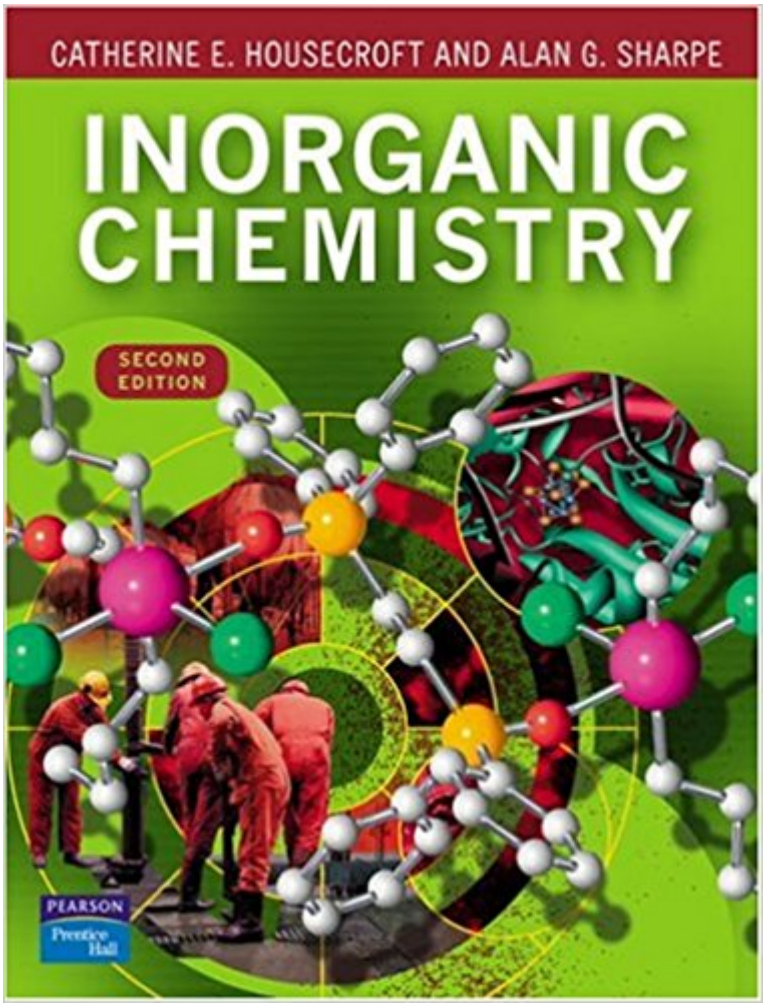
Inorganic Chemistry (2nd Edition)



Synopsis

A leading textbook which offers a fresh and engaging approach to the teaching of modern inorganic chemistry and gives a clear, well-balanced introduction to the key principles of the subject. The brand new full-colour text design with three-dimensional illustrations brings the subject to life. Students are able to relate the chemistry they learn to everyday life through numerous applications and topic boxes.

Book Information

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Customer Reviews

"To put it short, this is THE BOOK, that I would like to use in Inorganic Chemistry. The book contains all the information needed. Furthermore, it is well and logically presented. The problems related with each chapter are good; and the suggestions for further reading are highly relevant." Markku Sundberg, Helsinki University, Finland "I've had one of my students take a look at the book and I virtually had to tear it from his hands in order to get it back!" Professor Nikolaus Korber, University of Regensburg, Germany "Housecroft--Sharpe has been the far most superior contemporary inorganic chemistry textbook there is. It was the case of the 1st edition and it remains so for the 2nd edition. The book is also a very good comprehensive text for chemists in general, PhD students and researchers. Clearly, students may prefer the more colorful 2nd edition, and so will their teachers for pedagogical reasons." Pavel Karen, Oslo University, Norway "My tutorial group students... thought that the addition of colour was a major improvement relative to the 1st edition. I thought that the section on Group Theory and symmetry is much better handled in the 2nd

edition." Mary Mahon, Bath University, UK "Undoubtedly, the new colour format makes the book seem more attractive to the reader; I noted that the descriptive chemistry has been updated also. It is pleasing that the authors continue to provide a broad coverage of chemistry throughout the Periodic Table while maintaining a reasonable size of book. One of the most important features (and one that recommended the book to us as a text) is that topics are presented in a straightforward manner, making them accessible to the less able students." Professor John Winfield, Glasgow University, UK

Inorganic ChemistryCatherine E. Housecroft and Alan G. SharpeÃ Â This book has established itself as a leading textbook in the subject by offering a fresh and exciting approach to the teaching of modern inorganic chemistry. It gives a clear introduction to key principles with strong coverage of descriptive chemistry of the elements. Special selected topics chapters are included, covering inorganic kinetics and mechanism, catalysis, solid state chemistry and bioinorganic chemistry.Ã Â A new full-colour text design and three-dimensional illustrations bring inorganic chemistry to life. Topic boxes have been used extensively throughout the book to relate the chemistry described in the text to everyday life, the chemical industry, environmental issues and legislation, and natural resources.Ã Â Teaching aids throughout the text have been carefully designed to help students learn effectively. The many worked examples take students through each calculation or exercise step by step, and are followed by related self-study exercises tackling similar problems with answers to help develop their confidence. In addition, end-of-chapter problems reinforce learning and develop subject knowledge and skills. Definitions boxesÃ Â and end-of-chapterÃ Â checklists provide excellent revision aids, while further reading suggestions, from topical articles to recent literature papers, will encourage students to explore topics in more depth.Ã Â New to this editionÃ Â Many more self-study exercises have been introduced throughout the book with the aim of making stronger connections between descriptive chemistry and underlying principles. Additional 'overview problems' have been added to the end-of-chapter problem sets. The descriptive chemistry has been updated, with many new results from the literature being included. Chapter 4 Ã Â¿ Bonding in polyatomic molecules, has been rewritten with greater emphasis on the use of group theory for the derivation of ligand group orbitals and orbital symmetry labels. There is more coverage of supercritical fluids and 'green' chemistry. The new full-colour text design enhances the presentation of the manyÃ Â molecular structures and 3-D images.Ã Â Supporting this editionÃ Â Companion website featuring multiple-choice questions and rotatable 3-D molecular structures, available at www.rearsoned.co.uk/housecroft. For full information, including details of

lecturer material, see the Contents listÃ Â inside the book. ASolutions Manual, written by Catherine E. Housecroft,Ã Â with detailed solutions to all end-of-chapter problems within the text is available for purchase separately ISBN 0131 39926 8.Ã Â Catherine E. Housecroft is Professor of Chemistry at the University of Basel, Switzerland. She is the author of a number of textbooks and has extensive teaching experience in the UK, Switzerland, South Africa and the USA. Alan G. Sharpe is a Fellow of Jesus College, University of Cambridge, UK and has had many years of experience teaching inorganic chemistry to undergraduates

When I first took inorganic as an undergrad, I didn't think that this book was clear enough. As a stand-alone text, it was not adequate. However, once I paired it with Shriver and Atkins, many of the holes were filled in. (Interestingly, Shriver/Atkins alone wasn't adequate either). They needed to be paired- particularly when studying M-O diagrams and lattices etc. I would also recommend Metal-Ligand Bonding by Janes and Moore. This combination was my elixir...my inorganic triumvirate. Hope this helps.

This is the book I'm using to decide whether or not to major in Chemistry as I'm still a lower division student. I can't put it down, the subject is addicting. The text is very clear so I'm not sure what the lower reviewers are talking about. As long as you're interested in it, it's a great text. Makes other subjects look dry as a bone.

There's a lot of unnecessary topics in the book, I as a student was very confuse on a lot of the concepts but that's not to blame the book but myself and the professor . However , the pictorial illustration in it is really good and guides me especially when determine the d orbitals and al the different shapes !

For the price, this book is right.1. You can find used copies of it for about $65. And let's be for real.....Inorganic Chemistry is Inorganic Chemistry is Inorganic Chemistry. Spending $200 for the same thing that you could get for $65 leaves you with nothing to show for being $135 lighter.2. The resale value on the book is good.3. The book is paperback and the presentation is not overly florid.4. There is enough for you to pick what you need (as an instructor) and leave the rest behind. Maybe you don't need *all that much discussion* about some topics. Enough to fill up a lecture but not enough to derive Schrodinger's Equation from first principles (does anyone really understand that anyway?)Verdict: Worth the money. Recommended to some Head of Department who is

considerate of the amounts that his students have to spend.

It’s ok, the author does project their bias onto the subject matter a little too evidently. The images were nice. Some concepts were not as fully explained as they should have been (like the Jahn-Teller effect).Overall, would recommend. But, there are some parts that could be expanded upon.

Great deal

This book served its purpose. It was in perfect condition and for a great price. It came when expected. A very advanced book though, moreso than the class for which it was intended.

I needed it for a class. It provided for that need.