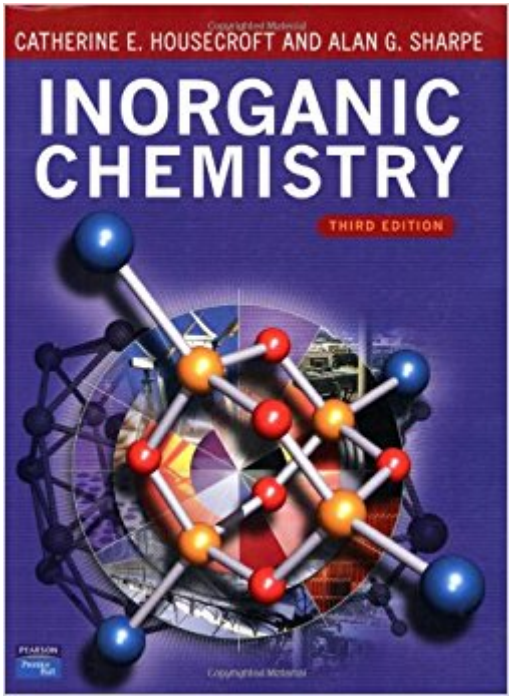
Inorganic Chemistry (3rd Edition)



Synopsis

Designed as a student text, Inorganic Chemistry focuses on teaching the underlying principles of inorganic chemistry in aÂ modern andÂ relevant way.

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 --This text refers to an out of print or unavailable edition of this title.

Housecroft & Sharpe's Inorganic Chemistry is established as the leading textbook in the field and has been fully updated in this third edition.Â Designed as a student text, Inorganic Chemistry focuses on teaching the underlying principles of inorganic chemistry in aÂ modern andÂ relevant way. Â Within a single text, Inorganic Chemistry provides a balanced introduction to core physical-inorganic principles and to the descriptive chemistry of the elements.Â Using worked examples and self-study exercises, InorganicÂ Chemistry reinforces the links between these two key themes.Â Â Â Special selected topics chapters are also included, covering inorganic kinetics and mechanism, catalysis, solid state chemistry and bioinorganic chemistry.Â New to this edition is a section on carbon nanotubes included in the chapter dealing with solid state chemistry. Â Inorganic ChemistryÂ has been carefully designed with teaching aids throughoutÂ to enhance learning.Â A stunning full-colour text design and three-dimensional illustrations bring inorganic chemistry to life.Â Topic boxes have been used extensively to relate the chemistry toÂ issues in everyday life, the chemical industry, the environment and legislation, and natural resources.Â New to this edition are also experimental techniques boxesÂ introducing physical methods such asÂ diffraction methods, computational chemistry,Â ESR spectroscopyÂ and HPLC.Â Â Numerous worked examples take students through each calculation or exercise step by step. They are followed by related self-study exercises, complete with answers, to help build further confidence.Â New self-study exercises have been added throughout the book.Â End-of-chapter problems (including 'overview' problems) reinforce learning andÂ develop subject knowledge and skills.Â Definitions boxes and end-of-chapter checklists provide excellent revision aidsÂ while further reading suggestions, from topical articles to recent literature papers, encourage students to explore topics in more depth. Â New to this edition The coverage of 'basic concepts' has been split into two chapters (Chapters 1 and 2). Updated coverage of recent advances in basic inorganic chemistry. Improved coverage of the use group theory in infrared spectroscopy (Chapter 4), of charge transfer bands and UV-VIS spectroscopy (Chapter 21), of term symbols and microstates (Chapter 21), and of magnetism (Chapter 21). New sections on superacids (Chapter 9) and carbon nanotubes (Chapter 28). Many new self-study exercises have been added to the descriptive chemistry chapters.Â Â New experimental techniquesÂ boxes. Updated applications and

resources, environmental and biological boxes.Â Â In selectedÂ boxes, photographs have been Â included for the first time. Supporting theÂ thirdÂ edition Companion Website available at www.pearsoned.co.uk/housecroftÂ FeaturingÂ multiple choice questions (including additional questions for this edition)and rotatable 3-D molecular structures. PowerPoint figures and tables for lecturers. A short Guide for Lecturers written by Catherine E. Housecroft. A Solutions Manual, written by Catherine E. Housecroft, with detailed solutions to all end-of-chapter problems within the text is available for separate purchase,Â ISBNÂ 978-0-13-204849-1. Â Â Catherine E. Housecroft is Professor of Chemistry at the University of Basel, Switzerland.Â She is the author of a number of textbooks and has extensive teaching experience in the UK, Switzerland, South Africa and the USA.Â 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.Â Â

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.

Chemistry, 5th Edition Molecular Visions (Organic, Inorganic, Organometallic) Molecular Model Kit #1 by Darling Models to accompany Organic Chemistry Descriptive Inorganic, Coordination, and Solid State Chemistry