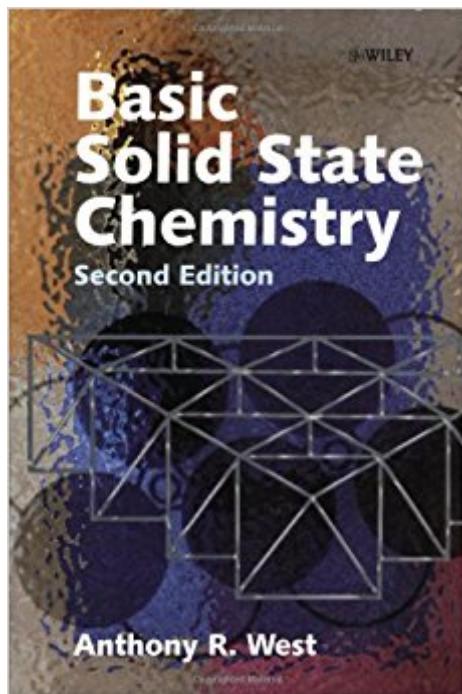


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# Basic Solid State Chemistry



## Synopsis

Basic Solid State Chemistry, Second Edition is a thorough revision of this best selling introductory text. This new edition provides the reader with an up to date account of the essential topics in this exciting and developing area. Whilst the structure of the first edition has been retained, introducing topics in a logical and coherent way, the text has been revised to include latest developments and concepts. There is a new chapter on Synthetic Methods covering solid state, precursor, chemie douce, intercalation, gas phase (MOCVD, vapour phase transport), hydrothermal and other methods. In addition there is new material on fullerenes, spinels and applications of phase diagrams. The coverage of solid solutions has been expanded and many of the diagrams have been considerably improved, as have the examples and problems.

## Book Information

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## Customer Reviews

"..an excellent text for undergraduates specialising in the area..cannot be beaten for its informed coverage of a key subject area.", Professor Mark Weller, Head of the Inorganic Materials and Solid State Chemistry research group at the University of Southampton, The Alchemist, Augst 1999#  
--This text refers to an out of print or unavailable edition of this title.

Solid state chemistry is a rapidly developing subject. In keeping with the pace of new ideas, this Second Edition provides the reader with an up-to-date account of essential topics and exciting new concepts. Features: \* New chapter on Synthetic Methods, covering solid state, precursor, chemie douce, intercalation, gas phase and other methods. \* New and expanded coverage of fullerenes,

solid solutions, superconductivity, ionic conductivity, diamond films, amorphous silicon, electrochromic displays, solid oxide fuel cells. \* Many new examples, and increased number of student problems; worked answers available to course lecturers and tutors. Basic Solid State Chemistry, Second Edition is suitable for students taking a first course in solid state chemistry. Reviews of the First Edition: "Professor West is to be congratulated on producing a text at the right level and with the right approach to render it an ideal course book for undergraduate studies in Solid State Chemistry and Materials Science." Acta Crystallographica, (1990), B46, 447 "This book is clearly produced with excellent diagrams and well labelled figures." Chemistry in Britain, March 1989 --This text refers to an out of print or unavailable edition of this title.

Ok, This is a great book. Written well, clear concise and focused on the the subject. The questions in the back are well provided for in the book itself. The pictures feel like they are from some 1940's text but that I can get over. So no stunning visuals just a good Inorganic Text Book.

This book arrived in perfect condition however, it was a nail biter with the shipping date. It was ordered well in advance of my son's return to college. Delivery date kept getting pushed back. We ordered a second book from another vendor because we had past experience with no show books under same circumstances. Ended up with 2 books arriving in time for school. Sold the extra to another student. I guess 2 books are better than none.

this is the required textbook of my solidstate material course. it is a very good book with a lot of detailed explanation of theory and lots of examples. it is suitable for graduate and senior undergraduate students.the only withdraw, I think, is that it does not provide answer key.And, of course, I wish it to be more cheaper.

This book is the perfect text for covering the essentials of solid state chemistry and I highly recommend it to any one looking to go into the field.

It was reliable and arrived on time, the book was in good shape, I just thought that the cover would be hard but was soft, but that is not the fault of these guys.

This was a good book for the class I took, Solid State Chemistry. It went well with the lectures and gave pretty good examples. However, I wouldn't recommend it for someone interested in the subject

and not taking a class. I did need lectures and supplemental notes to help understand a lot of the subject matter. Also, it doesn't give solutions to the problems in the back of the book.

Professor West's magnum opus: This book was the bible in the inorganic chemistry department of the University of Aberdeen, Scotland, where Prof. West taught during my undergraduate years. He was/is a very likeable man, always helpful to his undergraduate and postdoctoral students, and the presentation is user-friendly and clear. The department is world-class, and again, it is hard to outdo this book for clarity and scope of inorganic/crystal chemistry. Topics: crystal structure, crystallography, phase diagrams, electrical properties, magnetic/optical properties, etc...

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