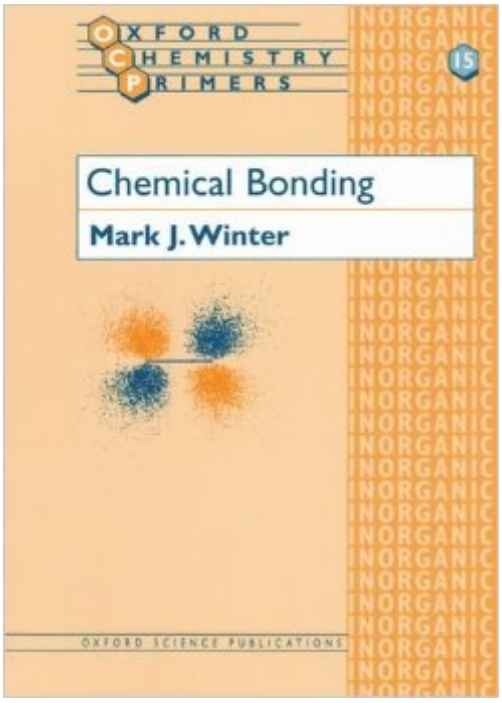
Chemical Bonding (Oxford Chemistry Primers)



Synopsis

This short text is intended for first year undergraduates and introduces some concepts of chemical bonding in a clear, descriptive and essentially non-mathematical fashion. The text will find a place alongside textbooks containing more detailed formal coverage and mathematical descriptions. This book could form the basis of an introductory course on chemical bonding. The book addresses aspects of atomic orbital structure and uses this to develop a discussion of the bonding in diatomic and polyatomic molecules using Lewis dot structures, hybrid orbital, and molecular orbital methods. The prediction of molecular shape is addressed through the VSEPR method. It is valuable for students in first-year chemistry courses, as well as non-chemistry students requiring a readable introduction to chemical bonding.

Book Information

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Customer Reviews

I went two years between General Chemistry and Inorganic Chemistry. This was reccomended to me as a review tool by my teacher and I can’t say anything bad about this book. It was perfect for me: a seasoned undergraduate who needed a refresher on atomic orbitals, lewis structures, MO theory and the like. The book is very well written; not a word is wasted. The explanations are clear, concise and engaging. It may be in black and white but the diagrams and illustrations are also extremely helpful. This primer was a great reference for me throughout the semester. It’s accessible enough for anyone but as the title of my review suggests, I think it works best for someone who is rusty on General Cehmistry and needs a high quality, low-price, easy-to-carry review tool, and this

book fits that perfectly. Highly reccomended!

This book is very well written. It clearly described chemical bonding in quantum mechanics perspective. I am doing EELS to study chemical bonds in some materials and the book helped a lot.

Excellent text. Should be a good review or it will nicely complement a first course. Quick & efficient. No wasted time with this one.

GOOD BOOK.

Great when I used it for my inorganic chemistry class!