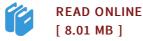




## **Electron Deficient Compounds**

By Wade, Kenneth

Book Condition: New. Publisher/Verlag: Springer, Berlin | This book is about compounds such as the boron hydrides and associated metal hydrides and alkyls which acquired the label ' electron deficient' when they were thought to contain too few valence electrons to hold together. Though they are now recognized as containing the numbers of bonding electrons appropriate for their structures, the term ' electron deficient' is still commonly applied to many substances that contain too few valence electrons to provide a pair for every pair of atoms close enough to be regarded as covalently bonded. The study of such substances has contributed much to chemistry. Techniques for the vacuum manipulation of volatile substances were devised specifically for their study; developments in valence theory resulted from considerations of their bonding; and the reactivity of several (for example, diborane and complex metal hydrides, lithium and aluminium alkyls) has made them valuable reagents. The purpose of this book is to provide an introduction to the chemistry of these fascinating compounds. The experimental and spectroscopic methods by which they can be studied are outlined, the various types of structure they adopt are described and profusely illustrated, and the relative merits of extended valence bond and simple molecular...



## Reviews

This is actually the greatest pdf i have got go through until now. Indeed, it can be perform, nevertheless an amazing and interesting literature. Its been designed in an extremely simple way and is particularly only following i finished reading this ebook where really modified me, affect the way in my opinion.

-- Jacey Simonis

An exceptional pdf and the typeface employed was fascinating to see. Better then never, though i am quite late in start reading this one. Your daily life span will be transform as soon as you total looking at this publication.

-- Dale White