



The F Elements

By Lecturer in Chemistry Nikolas Kaltsoyannis, Peter Scott M.R

Oxford University Press, United Kingdom, 1999. Paperback. Book Condition: New. 238 x 184 mm. Language: English . Brand New Book. The lanthanides and actinides (the f elements) are rarely studied in detail by chemistry undergraduates. More often they appear as an afterthought in bonding, spectroscopy, magnetism, coordination chemistry, and organometallics courses. This is largely because of a lack of an accessible text treating the chemistry of these elements in one cover. Moreover, the placement of lanthanides and actinides in the closing pages of standard inorganic chemistry text books serves to marginalise these elements further. The f elements has therefore been written to fill a gap in the undergraduate chemistry textbook market. It covers much of the fundamental chemistry of the lanthanide and actinide elements, including coordination chemistry, solid state compounds, organometallic chemistry, electronic spectroscopy, and magnetism. Many comparisons are made between the chemistry of the lanthanides and actinides and that of the transition elements, which is generally much more familiar to undergraduate chemistry students. The book uses the chemistry of the f elements as a vehicle for the communication of several important chemical concepts that are not usually discussed in detail in undergraduate courses, for example the chemical consequences of...



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