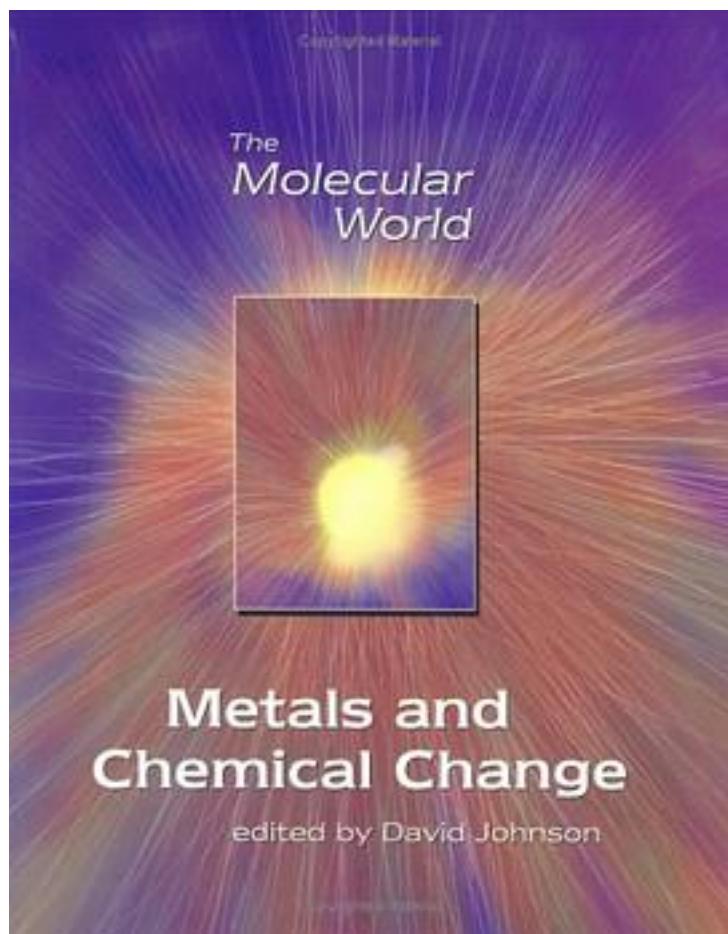


# Metals and Chemical Change



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This book looks at how molecules react, and how the feasibility and outcome of chemical reactions can be predicted. Beginning with an introduction to the concept of an activity series of metals, Metals and Chemical Change then introduces chemical

thermodynamics (enthalpy, entropy and free energy) and applies the concept to both inorganic and organic elements. A Case Study on batteries and fuel cells is also included. The accompanying CD-ROM includes video sequences of the reactions of metals with water, acid and aqueous ions, and gives the reader an opportunity to make experimental observations and predictions about chemical behaviour. A comprehensive Data Book of chemical and physical constants is included, along with a set of interactive self-assessment questions. The Molecular World series provides an integrated introduction to all branches of chemistry for both students wishing to specialise and those wishing to gain a broad understanding of chemistry and its relevance to the everyday world and to other areas of science. The books, with their Case Studies and accompanying multi-media interactive CD-ROMs, will also provide valuable resource material for teachers and lecturers. (The CD-ROMs are designed for use on a PC running Windows 95, 98, ME or 2000.)

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