



The Mechanisms of Reactions at Transition Metal Sites (Oxford Chemistry Primers)

By *Richard A. Henderson*

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Understanding the mechanisms of the reactions at transition metal sites is a key component in designing synthetic methods, developing industrial homogeneous catalysts, and investigating metalloenzymes. These mechanisms are therefore an essential part of undergraduate chemistry courses. This primer provides a broad-based, systematic guide to the fundamentals of transition-metal mechanistic chemistry, including substitution, electron transfer, and reactions of ligands. It serves as an ideal text for undergraduate students with a foundation in basic inorganic chemistry but who are new to inorganic reaction mechanisms.

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The Mechanisms of Reactions at Transition Metal Sites (Oxford Chemistry Primers) By Richard A. Henderson Bibliography

- Sales Rank: #1701224 in Books
- Published on: 1994-01-27
- Original language: English
- Number of items: 1
- Dimensions: 7.37" h x .25" w x 9.69" l, .50 pounds
- Binding: Paperback
- 96 pages

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Flash Science, March 1994

'The aim is to present to undergraduate students the essential features of the mechanisms of transition metal chemistry. It is meant to stimulate further reading rather than attempt to be comprehensive and is in the best tradition of Oxford Science Publications.'

Aslib Book Guide, vol. 59, No. 5, May 1994

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D.A. Brown, University College Dublin, Journal of Organometallic Chemistry, No. 494, 1995

'The book should, however, be in every student library, and many teachers of inorganic chemistry will find it useful to have a personal copy in which to find recent examples and clear diagrams of complicated structures.'

Paul D. Lickiss, Imperial College of Science and Technology, London, Journal of Organometallic Chemistry, No. 494, 1995

'It is an excellent, concise, critical and up-to-date account of transition metal reaction mechanisms ... a must for the course lecturer and a useful supplementary book for the motivated student, well worth buying.'

P.C.H. Mitchell, Chemistry in Britain, January

About the Author

Richard A. Henderson is at University of Sussex.

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