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Understanding Organic Reaction Mechanisms

By Adam Jacobs

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2003. Paperback. Book Condition: New. New.. 242 x 188 mm. Language: English Brand New Book ***** Print on Demand *****.An understanding of organic reaction mechanisms is an essential part of any undergraduate chemistry course. This book describes the principles that govern chemical reactivity, and shows how these principles can be used to make predictions about the mechanisms and outcomes of chemical reactions. Molecular orbital theory is used to provide up-to-date explanations of chemical reactivity, in an entirely non-mathematical approach suited to organic chemists. A valuable section explains the use of curly arrows, vital for describing reaction mechanisms. A whole chapter is devoted to exploring the thought processes involved in predicting the mechanisms of unfamiliar reactions. Each chapter is followed by a summary of the important points and a selection of problems to help the reader make sure that the material in that chapter has been assimilated. The book concludes with a comprehensive glossary of technical terms. This text will be of valuable for first- and second-year chemistry undergraduates studying organic chemistry.



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