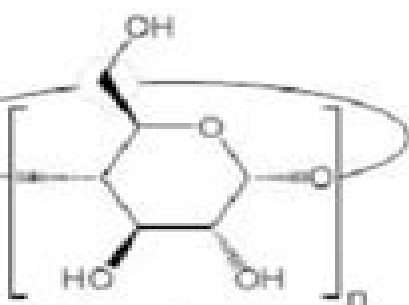
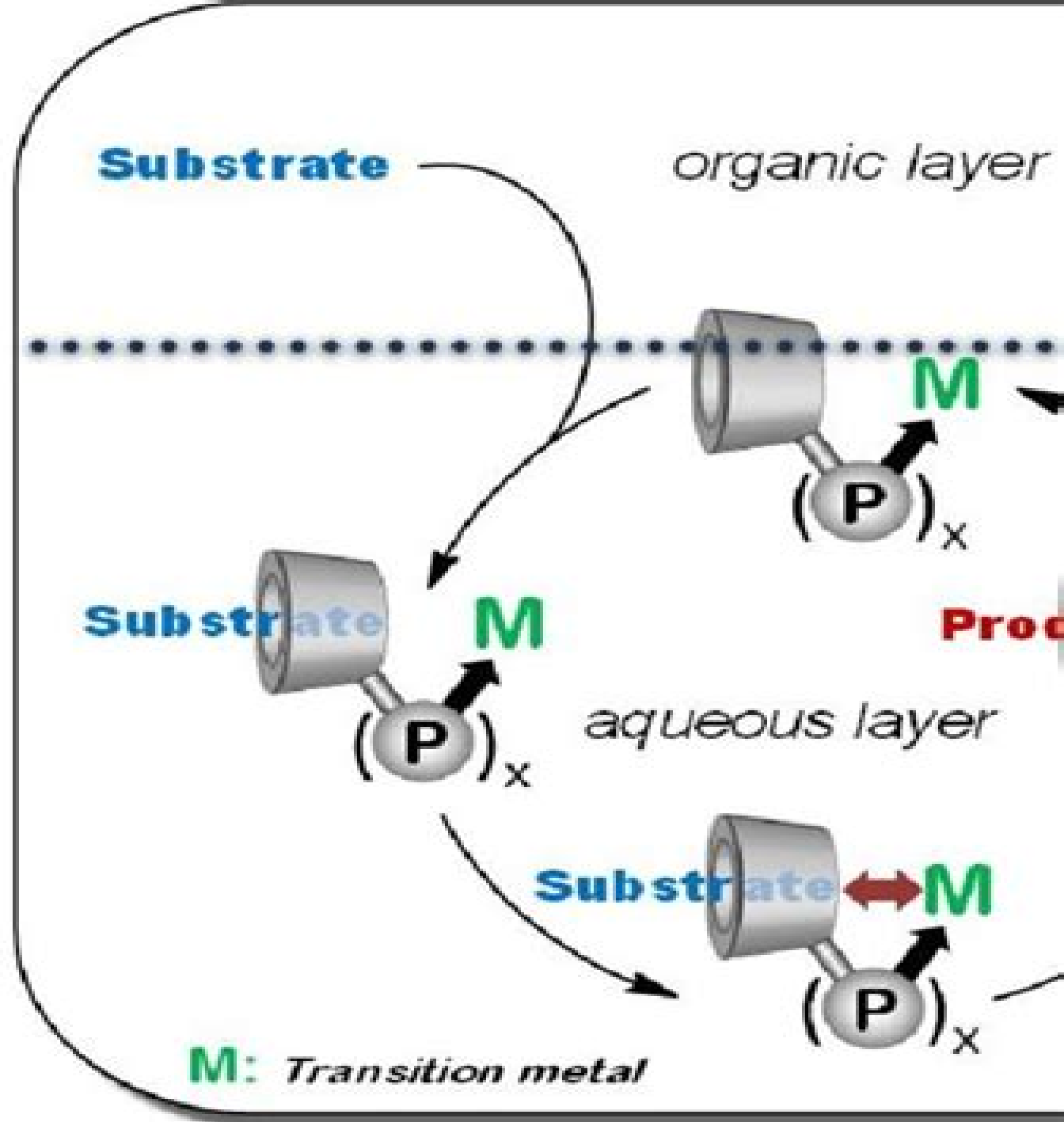


ane ($x=1$)
e ($x=2$):

ane moiety:



cyclodextrin



Aqueous Organometallic Catalysis

István T. Horváth, Ferenc Joó



Aqueous Organometallic Catalysis:

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Recoverable and Recyclable Catalysts Maurizio Benaglia, 2009-08-31 Recoverable and Recyclable Catalysts There is continued pressure on chemical and pharmaceutical industries to reduce chemical waste and improve the selectivity and efficiency of synthetic processes The need to implement green chemistry principles is a driving force towards the development of recoverable and recyclable catalysts The design and synthesis of recoverable catalysts is a highly challenging interdisciplinary field combining chemistry materials science engineering with economic and environmental objectives Drawing on international research and highlighting recent developments this book serves as a practical guide for both experts and newcomers to the field Topics covered include An introduction to the principles of catalyst recovery and recycling Catalysts on insoluble and soluble support materials Thermomorphing catalysts self supported catalysts and perfluorinated catalytic systems The development of reusable organic catalysts Continuous flow and membrane reactors Each chapter combines principles with practical

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Organometallic Chirality Gyula Pályi,Luciano Caglioti,2008 **Applied Homogeneous Catalysis** Arno Behr,Peter Neubert,2012-04-16 Auf fortgeschrittenem Niveau und mit didaktischem Anspruch bietet Ihnen dieser Band zahlreiche Fragen mit Antworten und eine breite Palette von Fallstudien aus der Industrie ergänzt durch weiterführende Literaturhinweise und Referenzen der Originalliteratur Insbesondere geht es um die modernsten katalytischen Prozesse mit ihren Anwendungen in der Pharmazie und der Feinchemikalien Industrie wobei auch kommerzielle Aspekte besprochen werden Der Autor ein erfahrener Dozent mit Industriepraxis legt Chemikern und Chemieingenieuren damit ein praxistaugliches Hilfsmittel vor *Organic Reactions in Water* U. Marcus Lindstrom,2008-04-15 Volatile organic solvents are the normal media used in both research scale and industrial scale synthesis of organic chemicals Their environmental impact is significant however and so the development of alternative reaction media has become of great interest Developments in the use of water as a solvent for organic synthesis have reached the point where it could now be considered a viable solvent for many organic reactions Organic Reactions in Water demonstrates the underlying principles of using water as a reaction solvent and by reference to a range of reaction types and systems it s effective use in synthetic organic chemistry Written by an internationally respected team of contributors and with a strong focus on the practical use of water as a reaction medium this book illustrates the enormous potential of water for the development of new and unique chemistries and synthetic strategies while at the same time offering a much reduced environmental impact Regulated Systems for Multiphase Catalysis Walter Leitner,2008-07-11 Multiphase catalysis is a key technology for the competitive and sustainable production of fine chemicals in coming decades A joint academic and industry consortium has developed tools for considering complex chemical and process based requirements when setting up a catalytic system This book shows how the

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