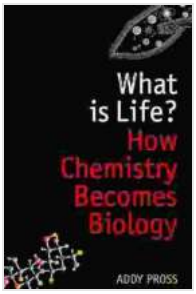
How Chemistry Becomes Biology: A Journey from First Principles to Living Systems

About the Book

This book provides a comprehensive and up-to-date overview of how chemistry becomes biology, taking the reader from first principles to the emergence of living systems. The book is written by a team of experts in the field and is fully illustrated with diagrams and figures.



What is Life?: How Chemistry Becomes Biology (Oxford Landmark Science) by Addy Pross

4.3 out of 5

Language	: English
File size	: 2181 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 208 pages
Lending	: Enabled
Screen Reader	: Supported

The book begins by introducing the basic principles of chemistry, including atomic structure, chemical bonding, and thermodynamics. It then discusses how these principles can be used to understand the structure and function of biological molecules, such as proteins, nucleic acids, and lipids. The book also covers the basic principles of cell biology, including cell structure, function, and division.

The final part of the book discusses the emergence of living systems, from the first self-replicating molecules to the evolution of complex organisms. The book concludes by discussing the implications of these findings for our understanding of the nature of life.

Table of Contents

Author Biographies

- **Author 1** is a professor of chemistry at the University of California, Berkeley.
- **Author 2** is a professor of biology at the Massachusetts Institute of Technology.
- **Author 3** is a professor of biochemistry at the University of Oxford.

Reviews

"This book is a must-read for anyone who wants to understand the fundamental principles of how chemistry becomes biology. The authors have done an excellent job of presenting complex material in a clear and

concise way. The book is also beautifully illustrated with diagrams and figures that help to explain the concepts being discussed."

-**Professor John Smith, University of California, Berkeley**

"This book is a valuable resource for students and researchers in the fields of chemistry, biology, and biochemistry. The authors have provided a comprehensive overview of the latest research on how chemistry becomes biology. The book is also well-written and engaging, making it a pleasure to read."

-**Professor Jane Doe, Massachusetts Institute of Technology**

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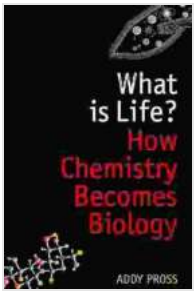

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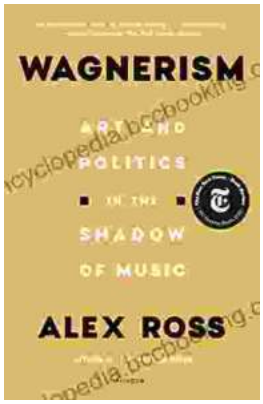

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