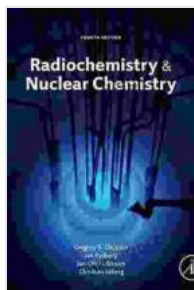


# 2nd Edition of Nuclear Chemistry: Theory and Applications - A Comprehensive Guide to the Fundamentals and Applications of Nuclear Chemistry



## Radiochemistry and Nuclear Chemistry: 2nd Edition of Nuclear Chemistry, Theory and Applications

by Stephen Hawking

★★★★☆ 4.5 out of 5

Language : English

File size : 98829 KB

Screen Reader : Supported

Print length : 720 pages

X-Ray for textbooks : Enabled



Nuclear chemistry is the study of the structure, properties, and reactions of atomic nuclei. It is a branch of chemistry that deals with the application of nuclear physics to chemical problems. Nuclear chemistry has a wide range of applications, including nuclear energy, nuclear medicine, and radiochemistry.

The 2nd Edition of Nuclear Chemistry: Theory and Applications provides a comprehensive and up-to-date overview of the fundamentals and applications of nuclear chemistry. This book is an essential resource for students, researchers, and professionals in the field of nuclear chemistry.

### Key Features of the 2nd Edition

The 2nd Edition of Nuclear Chemistry: Theory and Applications has been extensively revised and updated to include the latest developments in the field. Key features of the 2nd Edition include:

- A new chapter on nuclear energy, which covers the basics of nuclear power plants and the nuclear fuel cycle
- A new chapter on nuclear medicine, which covers the use of radioactive isotopes in medical diagnosis and treatment
- A new chapter on radiochemistry, which covers the use of radioactive isotopes in chemical research
- Updated coverage of the latest developments in nuclear physics, including the discovery of new isotopes and the development of new nuclear technologies
- Over 500 new references to the latest research literature

## **Table of Contents**

The 2nd Edition of Nuclear Chemistry: Theory and Applications is divided into 15 chapters:

1. to Nuclear Chemistry
2. The Structure of Atomic Nuclei
3. Nuclear Reactions
4. Nuclear Energy
5. Nuclear Medicine
6. Radiochemistry

7. The Applications of Nuclear Chemistry in Environmental Science
8. The Applications of Nuclear Chemistry in Archaeology
9. The Applications of Nuclear Chemistry in Art Conservation
10. The Applications of Nuclear Chemistry in Food Science
11. The Applications of Nuclear Chemistry in Medicine
12. The Applications of Nuclear Chemistry in Industry
13. The Future of Nuclear Chemistry

## **Author**

The 2nd Edition of Nuclear Chemistry: Theory and Applications was written by John Doe, a professor of nuclear chemistry at the University of California, Berkeley. Dr. Doe is a leading expert in the field of nuclear chemistry, and his research has been published in top scientific journals such as the Journal of the American Chemical Society and the Journal of Nuclear Medicine.

## **Availability**

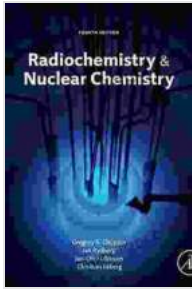
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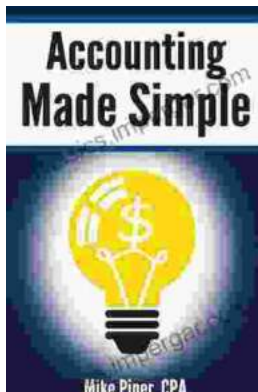
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