



Designing the Molecular World: Chemistry at the Frontier

By Philip Ball

Princeton University Press. Paperback. Book Condition: New. Paperback. 384 pages. Dimensions: 9.1in. x 6.1in. x 0.9in. Some of the most exciting scientific developments in recent years have come not from theoretical physicists, astronomers, or molecular biologists but instead from the chemistry lab. Chemists have created superconducting ceramics for brain scanners, designed liquid crystal flat screens for televisions and watch displays, and made fabrics that change color while you wear them. They have fashioned metals from plastics, drugs from crude oil, and have pinpointed the chemical pollutants affecting our atmosphere and are now searching for remedies for the imperiled planet. Philip Ball, an editor for the prestigious magazine Nature, lets the lay reader into the world of modern chemistry. Here, for example, chemists find new uses for the improbable buckminsterfullerene molecules--60-atom carbon soccerballs, dubbed buckyballs--which seem to have applications for everything from lubrication to medicine to electronics. The book is not intended as an introduction to chemistry, but as an accessible survey of recent developments throughout many of the major fields allied with chemistry: from research in traditional areas such as crystallography and spectroscopy to entirely new fields of study such as molecular electronics, artificial enzymes, and smart polymer gels. Balls grand...



READ ONLINE
[7.72 MB]

Reviews

A must buy book if you need to adding benefit. Of course, it is actually perform, still an interesting and amazing literature. I am delighted to explain how this is basically the best book i actually have read through during my individual life and may be he best book for at any time.

-- **Jarod Bartoletti**

It is an remarkable pdf that I actually have actually read. It really is packed with knowledge and wisdom I am very happy to tell you that this is the finest ebook i actually have go through during my very own life and may be he very best book for actually.

-- **Hailey Jast Jr.**

Relevant eBooks



[Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. \[Us English\]](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



[Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. \[British English\]](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



[The Adventures of Sheriff Williker: /Book 1: The Case of the Missing Horseshoe](#)

Createspace, United States, 2014. Paperback. Book Condition: New. Kim Hansen (illustrator). large type edition. 216 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A missing horseshoe for a prize winning horse.a set of mysterious footprints.suspicious looking characters....



[The Garden After the Rain: Bedtime Story and Activity Book for Children 4-8 Years](#)

Partridge Publishing, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The book - The garden after the rain is a collection of 31 value based stories for children 4-8years.It...



[Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade](#)

Book Condition: Brand New. Book Condition: Brand New.



[Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade](#)

Book Condition: Brand New. Book Condition: Brand New.