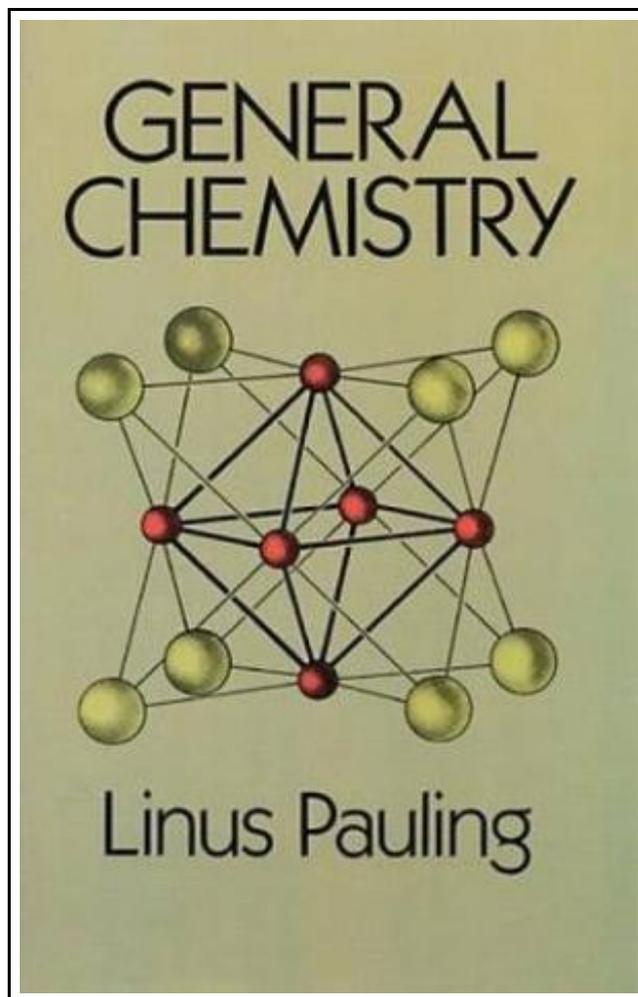


## General Chemistry



Filesize: 7.77 MB

### ***Reviews***

*Merely no words and phrases to explain. I was able to comprehend almost everything out of this created e publication. I am quickly will get a satisfaction of studying a created ebook.*

*(Cleta Doyle)*

## GENERAL CHEMISTRY



To save **General Chemistry** PDF, please access the link under and save the document or have accessibility to additional information which might be related to GENERAL CHEMISTRY ebook.

Dover Publications Inc., United States, 1989. Paperback. Book Condition: New. New edition. 216 x 135 mm. Language: English . Brand New Book. An excellent text, highly recommended. Choice When it was first published, this first-year chemistry text revolutionized the teaching of chemistry by presenting it in terms of unifying principles instead of as a body of unrelated facts. Those principles included modern theories of atomic and molecular structure, quantum mechanics, statistical mechanics, and thermodynamics. In addition, Dr. Pauling attempted to correlate the theories with descriptive chemistry, the observed properties of substances, to introduce the student to the multitude of chemical substances and their properties. In this extensively revised and updated third edition, the Nobel Prize winning author maintains an excellent balance between theoretical and descriptive material, although the amount of descriptive chemistry has been decreased somewhat, and the presentation of the subject, especially in relation to the nonmetals, has been revised in such a way as to permit greater correlation with the electronic structure of atoms, especially electronegativity. The principles of quantum mechanics are discussed on the basis of the de Broglie wavelength of the electron. The quantized energy levels of a particle in a box are derived by means of a simple assumption about the relation of the de Broglie waves to the walls of the box. No attempt is made to solve the Schrodinger wave equation for other systems, but the wave functions of hydrogen-like electrons are presented and discussed in some detail, and the quantum states for other systems are also covered. Statistical mechanics is introduced before thermodynamics, and the discussion of thermodynamics is based on it. This arrangement reflects the author's belief that beginning students can understand statistical mechanics better than chemical thermodynamics. Aimed at first-year college students who plan to major in chemistry or...



[Read General Chemistry Online](#)



[Download PDF General Chemistry](#)

## Related Books

---



**[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success**

Click the hyperlink listed below to download and read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" file.

[Download eBook »](#)

---



**[PDF] What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13**

Click the hyperlink listed below to download and read "What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13" file.

[Download eBook »](#)

---



**[PDF] The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds**

Click the hyperlink listed below to download and read "The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds" file.

[Download eBook »](#)

---



**[PDF] Dog on It! - Everything You Need to Know about Life Is Right There at Your Feet**

Click the hyperlink listed below to download and read "Dog on It! - Everything You Need to Know about Life Is Right There at Your Feet" file.

[Download eBook »](#)

---



**[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Click the hyperlink listed below to download and read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." file.

[Download eBook »](#)

---



**[PDF] It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em**

Click the hyperlink listed below to download and read "It's Just a Date: How to Get 'em, How to Read 'em, and How to Rock 'em" file.

[Download eBook »](#)