



General Chemistry (Dover Books on Chemistry)

Linus Pauling

Download now

[Click here](#) if your download doesn't start automatically

General Chemistry (Dover Books on Chemistry)

Linus Pauling

General Chemistry (Dover Books on Chemistry) Linus Pauling

"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 Schrödinger 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 closely related fields, the book is written in a logical, clear, and understandable style. In addition, many excellent figures are included, along with numerous problems and 75 pages of appendices covering such topics as symmetry of molecules and crystals, hybrid bond orbitals, and magnetic properties of substances.

 [Download General Chemistry \(Dover Books on Chemistry\) ...pdf](#)

 [Read Online General Chemistry \(Dover Books on Chemistry\) ...pdf](#)

Download and Read Free Online General Chemistry (Dover Books on Chemistry) Linus Pauling

From reader reviews:

Robert Nobles:

The e-book untitled General Chemistry (Dover Books on Chemistry) is the e-book that recommended to you to study. You can see the quality of the reserve content that will be shown to a person. The language that creator use to explained their ideas are easily to understand. The author was did a lot of research when write the book, therefore the information that they share to your account is absolutely accurate. You also will get the e-book of General Chemistry (Dover Books on Chemistry) from the publisher to make you considerably more enjoy free time.

Arlene Wilson:

The book untitled General Chemistry (Dover Books on Chemistry) contain a lot of information on the idea. The writer explains the woman idea with easy means. The language is very easy to understand all the people, so do certainly not worry, you can easy to read that. The book was published by famous author. The author gives you in the new era of literary works. You can easily read this book because you can read more your smart phone, or product, so you can read the book inside anywhere and anytime. In a situation you wish to purchase the e-book, you can open up their official web-site in addition to order it. Have a nice examine.

Christopher Hill:

This General Chemistry (Dover Books on Chemistry) is fresh way for you who has curiosity to look for some information mainly because it relief your hunger associated with. Getting deeper you into it getting knowledge more you know otherwise you who still having bit of digest in reading this General Chemistry (Dover Books on Chemistry) can be the light food to suit your needs because the information inside this specific book is easy to get simply by anyone. These books create itself in the form that is reachable by anyone, yes I mean in the e-book web form. People who think that in book form make them feel drowsy even dizzy this e-book is the answer. So there isn't any in reading a book especially this one. You can find actually looking for. It should be here for an individual. So , don't miss this! Just read this e-book style for your better life and also knowledge.

Kellie Stephens:

In this particular era which is the greater man or woman or who has ability to do something more are more valuable than other. Do you want to become one of it? It is just simple strategy to have that. What you are related is just spending your time not very much but quite enough to get a look at some books. One of many books in the top collection in your reading list is actually General Chemistry (Dover Books on Chemistry). This book which can be qualified as The Hungry Slopes can get you closer in getting precious person. By looking up and review this guide you can get many advantages.

Download and Read Online General Chemistry (Dover Books on Chemistry) Linus Pauling #ZY1UDALCB4N

Read General Chemistry (Dover Books on Chemistry) by Linus Pauling for online ebook

General Chemistry (Dover Books on Chemistry) by Linus Pauling Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read General Chemistry (Dover Books on Chemistry) by Linus Pauling books to read online.

Online General Chemistry (Dover Books on Chemistry) by Linus Pauling ebook PDF download

General Chemistry (Dover Books on Chemistry) by Linus Pauling Doc

General Chemistry (Dover Books on Chemistry) by Linus Pauling Mobipocket

General Chemistry (Dover Books on Chemistry) by Linus Pauling EPub