



Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume

2

Kim Seng Chan, Jeanne Tan

Download now

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

Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2

Kim Seng Chan, Jeanne Tan

Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2
Kim Seng Chan, Jeanne Tan

Written for students taking either the University of Cambridge Advanced Level examinations or the International Baccalaureate examinations, this guidebook covers essential topics and concepts under both stipulated chemistry syllabi. The book is written in such a way as to guide the reader through the understanding and applications of essential chemical concepts using the problem solving approach. The authors have also retained the popular discourse feature from their previous two books — Understanding Advanced Physical Inorganic Chemistry and Understanding Advanced Organic and Analytical Chemistry — to help the learners better understand and see for themselves, how the concepts should be applied during solving problems. Based on the Socratic Method, questions are implanted throughout the book to help facilitate the reader's development in forming logical conclusions of concepts and the way they are being applied to explain the problems. In addition, the authors have also included important summaries and concept maps to help the learners to recall, remember, reinforce and apply the fundamental chemical concepts in a simple way.

Topics are explored through an explanatory and inquiry-based approach. They are interrelated and easy to understand, with succinct explanations/examples being included, especially on areas that students frequently find difficult. Topics address the whys and hows behind key concepts to be mastered, so that the concepts are made understandable and intuitive for students. The focus is on conceptual learning so as to equip students with knowledge for critical learning and problem solving.

Existing A-level or IB guidebooks generally introduce concepts in a matter-of-fact manner. This book adds a unique pedagogical edge which few can rival. Through their many years of teaching experiences, the authors have acquired a sound awareness of common students' misconceptions which are relayed through the questions and thus help to reinforce concepts learnt. This book is essential and useful to help the students to be adequately prepared for their high stake examinations.

Request Inspection Copy

Contents:

- Structure and Bonding
- Isomerism in Organic Compounds
- Organic Reactions and Mechanisms
- Alkanes
- Alkenes
- Arenes
- Halogen Derivatives
- Alcohols and Phenol
- Carbonyl Compounds
- Carboxylic Acids and Their Derivatives
- Amines

- Amino Acids
- Polymers
- Summary of Important Organic Reactions

Readership: JC students and teaching professionals in Chemistry.

 [Download Understanding Advanced Chemistry Through Problem S ...pdf](#)

 [Read Online Understanding Advanced Chemistry Through Problem ...pdf](#)

Download and Read Free Online Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 Kim Seng Chan, Jeanne Tan

From reader reviews:

Eileen Smith:

This Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 is great e-book for you because the content which can be full of information for you who all always deal with world and also have to make decision every minute. This specific book reveal it info accurately using great organize word or we can point out no rambling sentences within it. So if you are read that hurriedly you can have whole information in it. Doesn't mean it only offers you straight forward sentences but tough core information with attractive delivering sentences. Having Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 in your hand like obtaining the world in your arm, information in it is not ridiculous just one. We can say that no e-book that offer you world inside ten or fifteen second right but this guide already do that. So , this can be good reading book. Hey Mr. and Mrs. stressful do you still doubt that will?

Eric Totten:

In this age globalization it is important to someone to obtain information. The information will make a professional understand the condition of the world. The healthiness of the world makes the information much easier to share. You can find a lot of personal references to get information example: internet, newspaper, book, and soon. You will observe that now, a lot of publisher that print many kinds of book. The actual book that recommended for your requirements is Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 this reserve consist a lot of the information of the condition of this world now. This particular book was represented just how can the world has grown up. The words styles that writer make usage of to explain it is easy to understand. The actual writer made some investigation when he makes this book. That's why this book appropriate all of you.

Natalie White:

Don't be worry in case you are afraid that this book will filled the space in your house, you will get it in e-book method, more simple and reachable. This kind of Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 can give you a lot of good friends because by you looking at this one book you have point that they don't and make an individual more like an interesting person. This specific book can be one of one step for you to get success. This book offer you information that maybe your friend doesn't know, by knowing more than different make you to be great persons. So , why hesitate? Let's have Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2.

Denise Lee:

E-book is one of source of information. We can add our understanding from it. Not only for students but also native or citizen need book to know the upgrade information of year to be able to year. As we know those

books have many advantages. Beside all of us add our knowledge, could also bring us to around the world. With the book Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 we can have more advantage. Don't someone to be creative people? To get creative person must like to read a book. Just choose the best book that suited with your aim. Don't always be doubt to change your life by this book Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2. You can more inviting than now.

Download and Read Online Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 Kim Seng Chan, Jeanne Tan #L8FRQUYBXO1

Read Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan for online ebook

Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan Free PDF download, 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 Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan books to read online.

Online Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan ebook PDF download

Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan Doc

Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan Mobipocket

Understanding Advanced Chemistry Through Problem Solving: The Learner's Approach Volume 2 by Kim Seng Chan, Jeanne Tan EPub