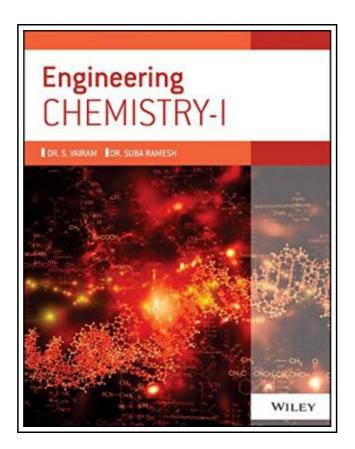
# **Engineering Chemistry-I**



Filesize: 4.66 MB

# Reviews

A must buy book if you need to adding benefit. Indeed, it can be engage in, continue to an amazing and interesting literature. I am effortlessly can get a delight of reading a published pdf. *(Elliott Wuckert)* 

## **ENGINEERING CHEMISTRY-I**



Wiley India Pvt. Ltd, 2014. Softcover. Book Condition: New. Engineering Chemistry course for the first-year undergraduate students is designed to link theoretical concepts with their practical applications. This book is structured keeping in view the objective of the Engineering Chemistry course. The book aims to impart an indepth understanding of chemistry as applied to engineering. It deals with advanced topics, such as Chemical Thermodynamics, Photochemistry, Spectroscopic Analytical Techniques, Phase Rule and Nanochemistry. It also describes the chemistry of useful materials, such as Polymers, Alloys and various Nanoscale e materials. Click here to check out all Anna University first semester booksPreface Contents 1. Polymer Chemistry Learning Objectives 1.1 Introduction 1.2 Some Important Terms and Definitions 1.3 Classification of Polymers 1.4 Types of Polymerization 1.5 Mechanism of Addition Polymerization 1.6 Polymerization Techniques 1.7 Molecular Weights of Polymers 1.8 Structure-Property Relationship of Polymers 1.9 Plastics 1.10 Some Important Commercial Thermoplastics 1.11 Some Important Commercial Thermosetting Resins 1.12 Elastomers (Rubbers) 1.13 Some Commercially Important Synthetic Rubbers 1.14 Fibers 1.15 Some Important Synthetic and Semi-synthetic Fibers 1.16 Composites 1.17 Specialty Polymers Important Formulas and Points Review Questions Numerical Problems Answer Key 2. Chemical Thermodynamics 2.1 Introduction 2.2 Some Important Terms in Thermodynamics 2.3 The First Law of Thermodynamics 2.4 Enthalpy or Heat Content 2.5 Applications of First Law of Thermodynamics 2.6 Thermochemistry 2.7 \*Joule-Thomson Effect 2.8 The Second Law of Thermodynamics 2.9 Entropy 2.10 The Third Law of Thermodynamics 2.11 Free Energy 2.12 \*Concept of Activity 2.13 Maxwell Relations 2.14 Thermodynamic Criteria for Equilibrium 2.15 Application of Thermodynamics to Physical Equilibrium (Phase Transition) 2.16 Applications of Thermodynamics to Chemical Equilibrium Important Formulas and Points Review Questions Numerical Problems Answers key 3. Photochemistry 3.1 Introduction 3.2 Photophysical and Photochemical Processes 3.3 Light Sources Used in Photochemical Reactions 3.4 Beer-Lambert Law 3.5 Laws of Photochemistry 3.6 Quantum...

Read Engineering Chemistry-I Online
Download PDF Engineering Chemistry-I

# **Other PDFs**

**Read Write Inc. Phonics: Grey Set 7 Storybook 6 Wailing Winny s Car Boot Sale** Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 148 x 120 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read... **Read Book** »

#### The Little Green Book

Stewart Tabori & Chang. Hardcover. Book Condition: New. 1556701446 Never Read-20+ year old Hardcover book-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I...

Read Book »

_	-
	-

## Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 ---Children's Literature 2004(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book....

Read Book »

# Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How... Read Book »

#### The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. After six years as a private investigator, Stacey Alexander has the strangest day...

Read Book »