

Science

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(Chapter - 1) (Chemical Reactions and Equations) (Exercises) (Class 10)

Question 14:

In the refining of silver, the recovery of silver from silver nitrate solution involved displacement by copper metal. Write down the reaction involved.

Answer 14:



Question 15:

What do you mean by a precipitation reaction? Explain by giving examples.

Answer 15:

A reaction in which an insoluble solid (called precipitate) is formed is called a precipitation reaction.



In this reaction, barium sulphate is obtained as a precipitate. Hence, it is a precipitation reaction.

Question 16:

Explain the following in terms of gain or loss of oxygen with two examples each.

(a) Oxidation

(b) Reduction

Answer 16:

(a) Oxidation: Oxidation is the gain of oxygen.



Here, carbon (C) is oxidised to carbon dioxide (CO₂) and copper (Cu) is oxidised to copper oxide (CuO).

(b) Reduction: Reduction is the loss of oxygen.



Here, carbon dioxide (CO₂) is reduced to carbon monoxide (CO) and copper oxide (CuO) is reduced to copper (Cu).

Question 17:

A shiny brown coloured element 'X' on heating in air becomes black in colour. Name the element 'X' and the black coloured compound formed.

Answer 17:

The element 'X' is copper (Cu) which is converted into black coloured copper oxide (CuO).



Question 18:

Why do we apply paint on iron articles?

Answer 18:

Iron articles are painted because applying paints prevents them from rusting. When painted, the contact of iron articles from moisture and air is cut off. Hence, rusting is prevented their presence is essential for rusting to take place.

Chapter 9 Chemical Reactions Answers

James F Hall



Chapter 9 Chemical Reactions Answers:

Chemical Reactions and Chemical Reactors George W. Roberts, 2008-03-14 Focused on the undergraduate audience Chemical Reaction Engineering provides students with complete coverage of the fundamentals including in depth coverage of chemical kinetics By introducing heterogeneous catalysis early in the book the text gives students the knowledge they need to solve real chemistry and industrial problems An emphasis on problem solving and numerical techniques ensures students learn and practice the skills they will need later on whether for industry or graduate work

Computer Modeling of Chemical Reactions in Enzymes and Solutions Arieh Warshel, 1997-03-28 This practical reference explores computer modeling of enzyme reactions techniques that help chemists biochemists and pharmaceutical researchers understand drug and enzyme action

GED Science For Dummies Murray Shukyn, Achim K. Krull, 2015-09-23 Passing the GED Science Test has never been easier Does the thought of taking the GED Science Test make you sweat Fear not With the help of GED Science Test For Dummies you'll get up to speed on the new structure and computer based format of the GED and gain the confidence and know how to pass the Science Test like a pro Packed with helpful guidance and instruction this hands on test prep guide covers the concepts covered on the GED Science Test and gives you ample practice opportunities to assess your understanding of Life Science Physical Science and Earth and Space Science Designed to test your understanding of the fundamentals of science reasoning and the ability to apply those fundamentals in realistic situations the GED Science Test can be tough for the uninitiated Luckily this fun and accessible guide breaks down each section of the exam into easily digestible parts making everything you'll encounter on exam day feel like a breeze Inside you'll find methods to sharpen your science vocabulary and data analysis skills tips on how to approach GED Science Test question types and formats practice questions and study exercises and a full length practice test to help you pinpoint where you need more study help Presents reviews of the GED Science test question types and basic computer skills Offers practice questions to assess your knowledge of each subject area Includes one full length GED Science practice test Provides scoring guidelines and detailed answer explanations Even if science is something that's always made you squeamish GED Science Test For Dummies makes it easy to pass this crucial exam and obtain your hard earned graduate equivalency diploma

Study Guide with Answers to Selected Problems H. Stephen Stoker, Danny V. White, 2003-04 This supplement includes for each chapter a brief overview activities and practice problems to reinforce skills and a practice test The answers section includes answers for all odd numbered end of chapter exercises

Stochastic and Dynamic Views of Chemical Reaction Kinetics in Solutions A. M. Kuznetsov (dokt. fiz.-mat. nauk.), Alexander M. Kuznetsov, 1999-01-01

Organic Chemistry, 5e Student Study Guide and Solutions Manual David R. Klein, Laurie S. Starkey, 2025-03-04 Success in organic chemistry requires mastery in two core aspects fundamental concepts and the skills needed to apply those concepts and solve problems With Organic Chemistry Student Study Guide and Solutions Manual 5th Edition students can learn to become proficient at approaching new

situations methodically based on a repertoire of skills These skills are vital for successful problem solving in organic chemistry

Solutions Manual to Accompany General Chemistry Raymond Chang,1986 *McGraw-Hill's SAT Subject Test Chemistry, 3rd Edition* Thomas Evangelist,2011-02-03 Expert guidance on the Chemistry exam Many colleges and universities require you to take one or more SAT II Subject Tests to demonstrate your mastery of specific high school subjects McGraw Hill s SAT Subject Test Chemistry is written by experts in the field and gives you the guidance you need perform at your best This book includes 4 full length sample tests updated for the latest test format 40 top tips to remember on test day Glossary of tested chemistry terms and formulas Tips and strategies from one of the most popular teachers at the renowned Brooklyn Technical High School Diagnostic test to pinpoint strengths and weaknesses Step by step review of all topics covered on the exam In depth coverage of the lab experiment questions that are a major test feature Charts tables and illustrations to simplify and reinforce learning Practice tests just like the real SAT Subject Test in Chemistry Test taking tips and strategies

Student Solutions Manual, Chemistry, Principles & Practice, Second Edition John M. DeKorte,1997

Soluble Silicates in Industry James Garrett Vail,1928 *Monograph Series* ,1928 *Merrill Chemistry* Robert C. Smoot,Smoot,Richard G. Smith,Jack Price,1998 *American Gas-light Journal and Chemical Repertory* ,1908

McGraw-Hill's SAT Subject Test: Chemistry, 2ed Thomas Evangelist,2009-02-01 We want to help you score high on the SAT Chemistry test We ve put all of our proven expertise into McGraw Hill s SAT Subject Test Chemistry to make sure you re fully prepared for this difficult exam With this book you ll get essential skill building techniques and strategies created by a leading high school chemistry teacher You ll also get 5 full length practice tests hundreds of sample questions and all the facts about the current exam With McGraw Hill s SAT Subject Test Chemistry we ll guide you step by step through your preparation program and give you the tools you need to succeed 5 full length sample tests with complete explanations for every question 40 top test items to remember on exam day A step by step review of all topics covered on the exam Teacher recommended tips and strategies to help you raise your score

Solutions Guide for Introductory Chemistry, Steven S. Zumdahl James F Hall,1990 *The Lixiviation of Silver-ores with Hyposulphite Solutions* Carl August Stetefeldt,1888

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