

11

CHEMICAL REACTIONS

Chapter Test B

A. Matching

Match each term in Column B with the correct description in Column A. Write the letter of the correct term on the line.

Column A

- _____ 1. a reaction in which an element or compound reacts with oxygen, often producing energy in the form of heat or light
- _____ 2. a reaction in which two or more substances react to form a single substance
- _____ 3. an equation that indicates only those particles that actually take part in the reaction
- _____ 4. a substance that speeds up a reaction without being used up
- _____ 5. ions that are not directly involved in a reaction
- _____ 6. a reaction in which a single compound is broken down into two or more products
- _____ 7. an equation in which each side has the same number of atoms of each element
- _____ 8. a reaction in which atoms of an element replace the atoms of a second element in a compound
- _____ 9. a list of metals in order of decreasing reactivity
- _____ 10. a reaction that involves an exchange of positive ions between two compounds

Column B

- a. decomposition reaction
- b. activity series
- c. spectator ions
- d. balanced equation
- e. double-replacement reaction
- f. catalyst
- g. combustion reaction
- h. combination reaction
- i. net ionic equation
- j. single-replacement reaction

B. Multiple Choice

Choose the best answer and write its letter on the line.

- _____ 11. In the chemical equation $2\text{H}_2\text{O}_2(\text{aq}) \xrightarrow{\text{MnO}_2} 2\text{H}_2\text{O}(\text{l}) + \text{O}_2(\text{g})$, the MnO_2 is a:
 - a. reactant.
 - b. product.
 - c. spectator ion.
 - d. catalyst.
- _____ 12. When the equation $\text{Mg}(\text{s}) + \text{HCl}(\text{aq}) \rightarrow \text{MgCl}_2(\text{aq}) + \text{H}_2(\text{g})$ is balanced, what is the coefficient for HCl ?
 - a. 1
 - b. 2
 - c. 3
 - d. 4

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Test B Chemical Reactions Pearson Education Answers:

Laboratory Manual of Pharmaceutical Organic Chemistry I Mr. Sushant Sudhir Pande, Dr. Prashant D. Aragade, Dr. Saurabh C. Khadse, Dr. Niranjana S. Mahajan, 2024-02-16 We are pleased to put forth the Laboratory Manual of Pharmaceutical Organic Chemistry I This manual prepared according to the PCI B Pharm course regulations 2014 is divided into three sections systematic qualitative analysis preparation of suitable solid derivatives and construction of molecular models The methods of all the experiments are drawn from the latest editions of official books of pharmaceutical organic chemistry and research papers ensuring the inclusion of the latest advancements in methodologies or apparatus This manual is designed for outcome based education Each experiment follows a uniform format with sections for practical significance practical outcomes PrOs mapping with course outcomes theory resources used procedure precautions observations results conclusion references and synopsis questions Each experiment offers an opportunity for students to perform practical work developing proficiency in effectively managing equipment handling glassware chemicals reagents and writing analytical reports In addition the questions at the end of the experiments help to enhance students knowledge benefiting them as they pursue higher studies During the laboratory period you will have to multiple tasks while performing the experiment It is essential to document your actions and observations thoroughly as you proceed Always plan your work ahead considering what you are doing why you are doing it what is happening and what conclusions you can draw from your experiment We acknowledge the help and cooperation of various individuals in bringing out this manual We are highly indebted to the authors of the books and articles mentioned in the references which were a major source of information for this manual We also thank the publishers designers and printers who worked hard to publish this manual in a timely manner We hope that this manual will be helpful to students in understanding concepts principles and performing procedures We wish you all the best

Chemistry O Level Mauritius Edition Pearson Education, Limited, 2007-06-26 Chemistry insights 'O' level Rex M. Heyworth, 2007 Sif: Chemistry 5na Tb J. G. R. Briggs, 2009 Young Scientist Series ICSE Chemistry 6 ,

Campbell Biology Australian and New Zealand Edition Jane B. Reece, Noel Meyers, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, 2015-05-20 Over nine successful editions CAMPBELL BIOLOGY has been recognised as the world's leading introductory biology textbook The Australian edition of CAMPBELL BIOLOGY continues to engage students with its dynamic coverage of the essential elements of this critical discipline It is the only biology text and media product that helps students to make connections across different core topics in biology between text and visuals between global and Australian New Zealand biology and from scientific study to the real world The Tenth Edition of Australian CAMPBELL BIOLOGY helps launch students to success in biology through its clear and engaging narrative superior pedagogy and innovative use of art and photos to promote student learning It continues to engage students with its dynamic coverage of the essential elements of this critical discipline This Tenth Edition with an increased focus on evolution ensures students

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CISSP Practice Questions Exam Cram Michael Gregg, 2012-09-21 *CISSP Practice Questions Third Edition* *CISSP Practice Questions Exam Cram Third Edition* complements any CISSP study plan with 1 001 practice test questions in the book and on the CD all supported by complete explanations of every answer This package s highly realistic questions cover every area of knowledge for the new CISSP exam Covers the critical information you ll need to know to score higher on your CISSP exam Features 1 001 questions organized to reflect the current CISSP exam objectives so you can easily assess your knowledge of every topic Each question includes a detailed answer explanation Provides complete coverage of the Common Body of Knowledge CBK Use our innovative Quick Check Answer Key™ to quickly find answers as you work your way through the questions CD ROM features 1 001 Practice Questions 1 001 questions from this book are included on the CD giving you yet another effective tool to assess your readiness for the CISSP exam

Chemistry 'O' Level Rex M. Heyworth, 2007

Lm Complete Gd to Ol Sci Chem 2e , **Young Scientist Series ICSE Chemistry 8** Lorraine Mirza, Krishnakali Gupta, *A Complete Crash Course in AIEEE 2011* K.K. Arora, Dinesh Khattar, Ravi Raj Dudeja,

Longman Science Chemistry 10 Kohli Nitin, 2008-09

Essentials of Chemical Reaction Engineering H. Scott Fogler, 2017-10-26 Today s Definitive Undergraduate Level Introduction to Chemical Reaction Engineering Problem Solving For 30 years H Scott Fogler s Elements of Chemical Reaction Engineering has been the 1 selling text for courses in chemical reaction engineering worldwide Now in Essentials of Chemical Reaction Engineering Second Edition Fogler has distilled this classic into a modern introductory level guide specifically for undergraduates This is the ideal resource for today s students learners who demand instantaneous access to information and want to enjoy learning as they deepen their critical thinking and creative problem solving skills Fogler successfully integrates text visuals and computer simulations and links theory to practice through many relevant examples This updated second edition covers mole balances conversion and reactor sizing rate laws and stoichiometry isothermal reactor design rate data collection analysis multiple reactions reaction mechanisms pathways bioreactions and bioreactors catalysis catalytic reactors nonisothermal reactor designs and more Its multiple

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