Unit 6: Stoichiometry Homework Packet

Name: Period:

Mole Ratios:

- 1. What is a mole ratio?
- The coefficients in a chemical equation indicate the relationship among of reactants and products.
- Write 3 possible mole ratios from this equation: 4Fe + 3O₂ → 2Fe₂O₃
- Write 4 possible mole ratios from this equation: C₃H₈ + 5O₂ → 3CO₂ + 4H₂O
- Write a balanced chemical equation when nitrogen reacts with hydrogen to produce nitrogen trihydride. Determine 3 possible mole ratios.
- 7. This law states that _____

Write the mole ratio in the space provided and solve each problem.

2 Na₂O₂ + 2 H₂O → 4 NaOH + O₂

8. How many moles of sodium hydroxide are produced when 1.50 mol sodium peroxide reacts with water?

1.50 mol Na₂O₂ x 4 mol NaOH = ______ mol NaOH 2 mol Na₂O₂

How many moles of water are required to produce 2.15 mol oxygen gas in this reaction?

Stoichiometry Practice Problems #1...... Solve each problem, show all work.

How many grams of Cl₂ must be reacted with excess NaI if 10.0g of NaCl are needed?

2 NaI + Cl₂ → 2 NaCI + I₂

Stoichiometry Homework Packet On Moles

Ardas Ozsogomonyan

Stoichiometry Homework Packet On Moles:

Finder ,1983

The Practice of Chemistry Study Guide & Solutions Manual Pamela Mills, Amina El-Ashmawy, 2003-04-14 Designed to help students understand the material better and avoid common mistakes Also includes solutions and explanations to odd Chemistry James N. Spencer, George M. Bodner, Lyman H. Rickard, 2010-12-28 CHEMISTRY numbered exercises The Big Book of Chemistry Teacher Stories Jeff Lark, Stories from years of teaching high school chemistry Sheets for Chemistry IEE Advanced Disha Experts, 2019-10-10 The book Chapter wise Daily Practice Problem DPP Sheets for Chemistry JEE Advanced contains 1 Carefully selected Questions of all new pattern variety 20 per DPP in Chapter wise DPP Sheets for Practice At the end one Full Test is provided 2 The book is divided into 26 Chapter wise DPPs based on the NCERT 3 Time Limit Maximum Marks Cutoff Qualifying Score for each DPP Sheet is provided 4 These sheets will act as an Ultimate tool for Concept Checking Speed Building 5 Collection of 560 MCQ s of all variety of new pattern 6 Covers all important Concepts of each Chapter 7 As per latest pattern syllabus of JEE Advanced exam **Solving Problems in Chemistry Rod** O'Connor, Charles Mickey, Alton Hassell, 1977 Three Cognitive Skills in Chemistry and Their Application to Chemistry Greg Curran, 2011 Covers all the topics in a typical one year high **Stoichiometry** Ardas Ozsogomonyan, 1977 school chemistry curriculum (Free Sample) GO TO Objective NEET Chemistry Guide with DPP & CPP Sheets 9th Edition Disha Experts, 2021-10-07 The thoroughly revised updated 9th Edition of Go To Objective NEET Chemistry is developed on the objective pattern following the chapter plan as per the NCERT books of class 11 and 12 The book has been rebranded as GO TO keeping the spirit with which this edition has been designed The complete book has contains 31 Chapters In the new structure the book is completely revamped with every chapter divided into 2 4 Topics Each Topic contains Study Notes along with a DPP Daily Practice Problem of 15 20 MCQs This is followed by a Revision Concept Map at the end of each chapter The theory is followed by a set of 2 Exercises for practice The first exercise is based on Concepts Application It also covers NCERT based questions This is followed by Exemplar past 8 year NEET 2013 2021 questions In the end of the chapter a CPP Chapter Practice Problem Sheet of 45 Quality MCQs is provided The solutions to all the questions have been provided immediately at the end of each chapter Merrill Chemistry Robert C. Smoot, Smoot, Richard G. Smith, Jack Price, 1998 The Latest and Best of TESS, 1991 A Stoichiometry Unit David Callaghan, 2004 **Introduction to Chemical Principles** Howard Stephen Stoker, 1990 Introduction to Chemical Principles is a text for students who have had little to no previous instruction in chemistry or who had such instruction long enough ago that a thorough review is needed preface Chemistry: Po-Z J. J. Lagowski, 2004 This is a reference tool designed to guide the Resources in Education .1997-05 reader through all the aspects of chemistry Showing the myriad of ways in which chemistry plays a role both seen and unseen in our daily lives this work also makes the foundations of chemistry accessible for the lay reader The Software

The Practice of Chemistry Donald J. Wink, Sharon Fetzer-Gislason, Sheila McNicholas, 2003-03 Students

can t do chemistry if they can t do the math The Practice of Chemistry First Edition is the only preparatory chemistry text to offer students targeted consistent mathematical support to make sure they understand how to use math especially algebra in chemical problem solving The book s unique focus on actual chemical practice extensive study tools and integrated media makes The Practice of Chemistry the most effective way to prepare students for the standard general chemistry course and bright futures as science majors This special PowerPoint tour of the text was created by Don Wink http www bfwpub com pdfs wink POCPowerPoint Final ppt 832KB **Chemistry** Neil D. Jespersen, Alison Hyslop, 2021-11-02 Chemistry The Molecular Nature of Matter 8th Edition continues to focus on the intimate relationship that exists between structure at the atomic molecular level and the observable macroscopic properties of matter Key revisions in this edition focus on three areas The deliberate inclusion of more updated real world examples that relate common real world student experiences to the science of chemistry Simultaneously examples and questions have been updated to align them with career concepts relevant to the environmental engineering biological pharmaceutical and medical sciences Providing students with transferable skills with a focus on integrating metacognition and three dimensional learning into the text When students know what they know they are better able to learn and incorporate the material Providing a total solution through New WileyPLUS by fully integrating the enhanced etext with online assessment answer specific responses and additional practice resources The 8th edition continues to emphasize the importance of applying concepts to problem solving to achieve high level learning and increase retention of chemistry knowledge Problems are arranged in an intuitive confidence building order Elements of Chemical Reaction Engineering H. Scott Fogler, 2020-08-18 The Definitive Guide to Chemical **Update** ,1982 Reaction Engineering Problem Solving With Updated Content and More Active Learning For decades H Scott Fogler s Elements of Chemical Reaction Engineering has been the world's dominant chemical reaction engineering text This Sixth Edition and integrated Web site deliver a more compelling active learning experience than ever before Using sliders and interactive examples in Wolfram Python POLYMATH and MATLAB students can explore reactions and reactors by running realistic simulation experiments Writing for today s students Fogler provides instant access to information avoids extraneous details and presents novel problems linking theory to practice Faculty can flexibly define their courses drawing on updated chapters problems and extensive Professional Reference Shelf web content at diverse levels of difficulty The book thoroughly prepares undergraduates to apply chemical reaction kinetics and physics to the design of chemical reactors And four advanced chapters address graduate level topics including effectiveness factors To support the field s growing emphasis on chemical reactor safety each chapter now ends with a practical safety lesson Updates throughout the book reflect current theory and practice and emphasize safety New discussions of molecular simulations and stochastic modeling Increased emphasis on alternative energy sources such as solar and biofuels Thorough reworking of three chapters on heat effects Full chapters on nonideal reactors diffusion limitations and residence time distribution About the Companion Web Site umich edu

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