

Name \_\_\_\_\_

Class \_\_\_\_\_

Date \_\_\_\_\_

## Skills Worksheet

**Concept Review****Section: Concentration and Molarity**

Complete each statement below by choosing a term from the following list. Use each term only once.

concentration

moles

solute

solution

liter

parts per million

molality

molarity

ratios

1. \_\_\_\_\_ is the quantity of solute in a specific quantity of solvent or solution. One way of expressing concentration is to use the unit of measure called \_\_\_\_\_; it is the ratio of \_\_\_\_\_ amount (in moles) to \_\_\_\_\_ volume (in liters), or simply \_\_\_\_\_ of solute per L of solution. Table 1 in your textbook lists other concentration units or \_\_\_\_\_, such as \_\_\_\_\_ ( $m = \text{mol solute/kg solvent}$ ) and \_\_\_\_\_ ( $\text{ppm} = \text{mL solute/1 000 000.0 mL solution}$ ).

Solve the following problems and write your answer in the space provided.

2. What is the molarity of a hydrochloric acid solution that has a volume of 1500 mL and contains 441 g of HCl?
3. What is the molarity of a sugar solution that has a volume of 0.500 L and contains 17.1 g of ordinary sugar ( $\text{C}_{12}\text{H}_{22}\text{O}_{11}$ )?

# Concept Review Section Concept And Molarity

**Ralph Thomas Myers**



## Concept Review Section Concept And Molarity:

**Ebook: Chemistry: The Molecular Nature of Matter and Change** Silberberg, 2015-01-16 Ebook Chemistry The Molecular Nature of Matter and Change **Holt Chemistry** Holt Rinehart & Winston, 2003-01-24 **Chemistry<sup>3</sup>** Andrew Burrows, Andrew Parsons, Gwen Pilling, Gareth Price, 2013-03-21 New to this Edition **A Complete Preparation for the MCAT** Aftab S. Hassan, James L. Flowers, 1992 This guide for MCAT preparation applies the principles of active and problem based learning to an updated review of content and skills with models for enhanced problem solving and critical thinking abilities There are details on setting up a self managed study programme with guidelines for time management and stress management All areas tested on the exam are covered verbal reasoning physical science writing sample biological sciences with practice questions to chart progress Merrill Chemistry Robert C. Smoot, Smoot, Richard G. Smith, Jack Price, 1998

**Study Guide to accompany Basic Concepts of Chemistry, 7th Edition** Leo J. Malone, 2003-02-20 Work more effectively and gauge your progress along the way This Study Guide that is designed to accompany Malone s Chemistry 7th Edition includes chapter summaries new terms self tests answers to self tests and solutions to selected problems This easy to read introduction presents chemistry as a living relevant science Chemistry 7th Edition encourages critical thinking and helps readers overcome the math difficulties that often prevent them from developing a full understanding of the subject This new seventh edition builds on its core strengths of pedagogy driving the connections between ideas mathematics in context not just an appendix and an extensive problem solving emphasis with an updated design and more molecular art In addition the seventh edition expands its applications and online options One of the briefest books in the market it still provides sufficient depth for the basic concepts of chemistry **Chemical Reviews** , 1928 Features review articles covering key areas of research and progress This journal provides comprehensive and expert critical analysis in organic inorganic physical analytical theoretical and biological chemistry VETs, Complete Preparation for the Veterinary Entrance Tests Aftab S. Hassan, 1998 *Chemistry<sup>3</sup>* Andrew Burrows, John Holman, Andrew Parsons, Gwen Pilling, Gareth Price, 2017 Chemistry<sup>3</sup> establishes the fundamental principles of all three strands of chemistry organic inorganic and physical By building on what students have learned at school using carefully worded explanations annotated diagrams and worked examples it presents an approachable introduction to chemistry and its relevance to everyday life **VETs, Complete Preparation for the Veterinary Entrance Tests** , 2000 **Basic Concepts of Chemistry, Study Guide** Leo J. Malone, 2000 The text s three main goals are to introduce chemistry as a living relevant science to encourage learning and critical thinking and to help readers overcome the math difficulties that impede their progress in chemistry Designed to help readers master the principles of general chemistry As a prep book it promotes active involvement with the material There are special features throughout that reinforce concepts and help to develop strong problem solving and study skills Updated to Include an Interactive Learning Ware problems CD containing several of the chapter ending problems from the book in an interactive

tutorial with feedback to help readers set up and solve problems      **Prentice Hall Physical Science Concepts in Action Program Planner National Chemistry Physics Earth Science** ,2003-11 Prentice Hall Physical Science Concepts in Action helps students make the important connection between the science they read and what they experience every day Relevant content lively explorations and a wealth of hands on activities take students understanding of science beyond the page and into the world around them Now includes even more technology tools and activities to support differentiated instruction

**Allied Health Professions Admissions Test** Aftab Hassan,Betz Guide,Aftab S Hassan, Ph. D.,Williams & Wilkins Lippincott,1995 This guide is aimed at students interested in allied health careers and covers science knowledge verbal and quantitative ability and reading comprehension based on the methods of active learning The text guides students through a system of self managed self paced study related to the AHAT Each section offers AHPAT style practice questions and there is also a model examination with answers and explanations The appendix includes a glossary allied health careers

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**Northwestern University Law Review** ,1921      **Study Guide to Accompany the 6th Edition of Anatomy of Orofacial Structures** Richard W. Brand,Donald E. Isselhard,1998      Allied Health Exam ,1997

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