

UNDERSTANDING THE MOLE AND AVOGADRO'S NUMBER

Name _____	Section _____	Date _____
Understanding the Mole and Avogadro's Number Lab		
One mole of anything is a very large number of things. It is difficult to understand just how large a mole is. This lab serves as a way to understand how truly large a mole of things is.		
Your teacher will give you one or more small items and pick one or more places. Your goals for this lab are:		
1. Calculate the volume of the item or items that your teacher gives you. You may measure the volume of one item or measure the volume of several of the items using a technique like water displacement and then calculate the volume of a single item through mathematics. 2. Calculate the volume of one mole of that item. 3. Calculate the volume of the place or places that your teacher gives you. 4. Compare the volume of one mole of the item to the volume of the place. Which one is larger? If the volume of the place is larger, one mole of the item will fit. If the volume of one mole of the item is larger, then one mole of the item will not fit in the place.		
For example: you may be given an eraser as your object and your classroom as a place.		
For one mole, use Avogadro's number: _____		

Name _____
Calculations and the Mole
• Item ____ is a _____ • The volume of this item is _____ • The volume of one mole of this item is _____ • Place ____ is the _____ • The volume of this place is _____
• Will one mole of item 1 fit in this place? Circle one Yes No • If no, how many of this place will be needed to hold one mole of the item? _____

A CHEMISTRY LAB
10 PROBLEMS
3 VERSIONS
WORKED ANSWER KEY

Answer Key To Understanding The Mole Lab

Mocktime Publication



Answer Key To Understanding The Mole Lab:

Holt Chemistry Ralph Thomas Myers, 2004 E3 Chemistry Review Book - 2018 Home Edition (Answer Key Included) Effiong Eyo, 2017-10-20 With Answer Key to All Questions Chemistry students and homeschoolers Go beyond just passing Enhance your understanding of chemistry and get higher marks on homework quizzes tests and the regents exam with E3 Chemistry Review Book 2018 With E3 Chemistry Review Book students will get clean clear engaging exciting and easy to understand high school chemistry concepts with emphasis on New York State Regents Chemistry the Physical Setting Easy to read format to help students easily remember key and must know chemistry materials Several example problems with solutions to study and follow Several practice multiple choice and short answer questions at the end of each lesson to test understanding of the materials 12 topics of Regents question sets and 3 most recent Regents exams to practice and prep for any Regents Exam This is the Home Edition of the book Also available in School Edition ISBN 978 197836229 The Home Edition contains an answer key section Teachers who want to recommend our Review Book to their students should recommend the Home Edition Students and parents whose school is not using the Review Book as instructional material as well as homeschoolers should buy the Home Edition The School Edition does not have answer key in the book A separate answer key booklet is provided to teachers with a class order of the book Whether you are using the school or Home Edition our E3 Chemistry Review Book makes a great supplemental instructional and test prep resource that can be used from the beginning to the end of the school year PLEASE NOTE Although reading contents in both the school and home editions are identical there are slight differences in question numbers choices and pages between the two editions Students whose school is using the Review Book as instructional material SHOULD NOT buy the Home Edition Also available in paperback print

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Rasinski, 2006-02-01 Co authored by fluency expert Timothy Rasinski this resource aids in teaching literacy skills through poetry with word study activities based on poems that develop phonics phonemic awareness vocabulary and spelling skills

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