CHEMICAL QUANTITIES

Ouiz for CHAPTER 7

Fill in the word(s) that will make each statement true.

- 7.1 1. Counting, finding mass, and finding volume are all ways of measuring the amount of ____1___.
- 2. The 2 is the mass, in grams, of one mole of atoms of a 7.1 monatomic element.
- 7.2 3. The term __ 3 __ may be used in place of the term gram formula mass to refer to the mass of any element or compound.
- 7.2 4. The representative particle of most elements is the 4
- 5. To convert moles of oxygen gas (O₂) to mass in grams, you can 5. 7.2 use the conversion factor 5 .

Classify each of these statements as always true, AT; sometimes true, ST; or never true, NT.

- The density of the gas C₂H₆ at STP is 1.34 g/L. 7.2
 - The volume of 3 moles of oxygen at STP is 67.2 L. 7.2
- One mole of a gas occupies 22.4 L. 7.2
 - To convert a volume of 3.20 L of hydrogen gas to the number of moles. 7.2 you would use the conversion factor 42.4 L 1.00 mol H₂
- 10. The density of a gas at STP can be used to calculate the gram formula 7.2 mass of that gas.

Solve these problems and show your work in the space provided.

- 7.2 What mass of gold contains as many atoms as 3.05 g of silver?
- 12. What is the empirical formula of a compound that is 40.7% carbon, 54.2% 7.3 axygen, and 5.1% hydrogen?

Core Teaching Resources Chemistry Chapter 7 Test A

D Keegan

Core Teaching Resources Chemistry Chapter 7 Test A:

Resources for Teaching Middle School Science Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-04-30 With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them Resources for Teaching Middle School Science developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of Resources for Teaching Elementary School Science the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science centers museums and zoos where teachers can take middle school students for interactive science experiences Another chapter describes nearly 140 professional associations and U S government agencies that offer resources and assistance Authoritative extensive and thoroughly indexed and the only guide of its kind Resources for Teaching Middle School Science will be the most used book on the shelf for science teachers school administrators teacher trainers science curriculum specialists advocates of hands on science teaching and concerned parents Resources in Education ,2000-04 Children's Books in Print R R Bowker Publishing, Bowker, 1999-12 The New iPad Fully Loaded Alan Hess, 2012-05-14 Maximize all that the new iPad has to offer with The New iPad Fully Loaded The new iPad Fully Loaded is a one of a kind resource for squeezing every bit of functionality from your new iPad Whether you re downloading content of any sort looking to get the most out of iOS5 or using your new iPad to control anything from your home stereo system to your vehicle nothing is out of the realm of

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