

Mole Worksheet 2 Answers

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Mole Worksheet 2 Answers

MOLE WORKSHEET #2 Make the following conversions using unit analysis. Use a separate piece of paper, show all work, and circle your final answer. (Attach this sheet to your work). Set A: One Step Problems: Convert to moles: 1. 12.04×10^{23} atoms He 2. 3.01×10^{23} atoms Cu 3. 3.612×10^{23} atoms Fe 4. 100 atoms Ar 5. 1 atom S 6. 24 grams C 7.

Mole Worksheet 2 - Wappingers Central School District

Mole Worksheet (Dimensional Analysis) #2 I. What is the mass (in grams) for each of the following compounds or elements? 1. 7.24 moles of silver phosphate 2. 2.88 moles of diphosphorous pentoxide 3. 0.0009273 moles of zinc bicarbonate 4. 154.8 moles of silicon tetraiodide 5. 88.624 moles of silver II. Answer the following questions. 1.

Mole Worksheet (Dimensional Analysis) #2 - sas.upenn.edu

Use your answer to #5 to determine the mass of nickel in 45.0 g of nickel (II) hydroxide. b. Use your answer to #5 to determine the mass of nickel (II) hydroxide that contains 10.0 g of nickel.

UNIT 3 - WORKSHEET 1: MOLE PROBLEMS

Molar Mass Worksheet - Answer Key Calculate the molar masses of the following chemicals: 1) Cl ... How many atoms does 2.0 moles of He represent? 6) How many sodium ions are in 3.0 moles of NaCl? ... Mass and the Mole- Answer Key 1) How many moles are in 15 grams of lithium? 0.46 moles 2) How many grams are in 2.4 moles of sulfur? 77.0 ...

Molar Mass Worksheet Answer Key - River Dell Regional ...

Mole Calculation Worksheet - Answer Key 1) How many moles are in 15 grams of lithium? 0.46 moles 2) How many grams are in 2.4 moles of sulfur? 77.0 grams 3) How many moles are in 22 grams of argon? 0.55 moles 4) How many grams are in 88.1 moles of magnesium? 2141 grams 5) How many moles are in 2.3 grams of phosphorus? 0.074 moles

Mole Calculation Worksheet - nclark.net

Mole Calculation Worksheet W 340 Everett Community College Tutoring Center Student Support Services Program 1) How many moles are in 40.0 grams of water? ... $O \times 1 \text{ mole } H_2O = 2.22 \text{ mole } H_2O$ 18.01 g H_2O 2) How many grams are in 3.7 moles of Na_2O ? $3.7 \text{ moles } Na_2O \times 62 \text{ g } Na_2O = 230 \text{ g } Na_2O$ 1 mole Na_2O

Mole Calculation Worksheet - Everett Community College

15 grams $\times 1 \text{ mole} = 2.1614 \text{ moles lithium} = 6.94 \text{ grams}$ 2) How many grams are in 2.4 moles of sulfur? (molar mass of sulfur is 32.07 g/ mole) ... Mole Calculation Worksheet - Answer Key What are the molecular weights of the following compounds? 1) NaOH $22.99 + 16.00 + 1.01 = 40.00 \text{ grams/mol}$ 2) H_3PO_4

Mole Calculation Worksheet - sheffieldschools.org

Moles Worksheet (Solutions) 1) Define "mole". 6.02×10^{23} of anything, usually atoms or molecules. 2) How many moles are present in 34 grams of $Cu(OH)_2$? 0.35 moles 3) How many moles are present in 2.45×10^{23} molecules of CH_4 ? 0.41 moles 4) How many grams are there in 3.4×10^{24} molecules of NH_3 ?

Moles Worksheet - Awesome Science Teacher Resources

Moles, 'Molecules,' and 'Grams' Worksheet - 'Answer Key' 1) How many moles are there in 24.0 grams of FeF₃? .213 moles 2) How many moles are there in 458 grams of Na_2SO_4 ? 3.22 moles 3) How many grams are there in 2.30×10^{24} atoms of silver? 412 grams 4) How many grams are there in 7.40 moles of $AgNO_3$? 1260 grams (note:3 ...

Moles, Molecules, and Grams Worksheet and Key

Mole Worksheet Use two decimal places for the molar masses and report your answer to the correct number of significant figures. I. Calculate either the number of grams or the number of moles. 1)

3.00 mol NH₃ 2) 9.02 mol H₂O 3) 0.2000 mol SO₃ 4) 0.0106 mol NO₂ 5) 6.0 mol MgCl₂ 6) 12.7 g I₂
7) 8.00 g NaOH 8) 5.657 g H₂SO₄ 9) 32 g KNO₃

Mole Worksheet - mmsphyschem.com

Part 2: Mole Conversions Work each of the following problems. SHOW ALL WORK. 1. How many atoms are in 6.2 moles of aluminum? ? atoms Al = 6.2 mol Al ! 6.02 ! 10²³ atoms Al = 3.7 ! 10²⁴ atoms Al 1 mol Al 2. Convert 5.3 x 10²⁵ molecules of CO₂ to moles. ? moles CO₂ = 5.3 ! 10²⁵ molecules CO₂ ! 1 mole CO₂ 6.02 ! 10²³ molecules CO₂ = 88 mol CO₂ 3.

Worksheet: Mole Problems Name _____ CHEMISTRY ...

How many moles of CO₂ are produced when 2.0 moles of C₃H₈ react with an excess of O₂?
Remember, the products of this reaction are CO₂ and H₂O.

Moles worksheet #2

Mole Conversions Worksheet. There are three mole equalities. They are: 1 mol = 6.02 x 10²³ particles. 1 mol = g-formula-mass (periodic table) 1 mol = 22.4 L for a gas at STP

Mole Worksheet 2 Answers

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