

Honors Chemistry Worksheet 3 Stoichiometry Practice Problems

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Honors Chemistry Worksheet 3 Stoichiometry

Honors Chemistry Worksheet 3 Stoichiometry Practice Problems

Honors Chemistry Worksheet 3 Stoichiometry Practice Problems Name ____ Period ____ Date ____ Instructions: Balance the following chemical equations and then determine the missing information for each of the conditions given The four questions related to each equation are independent of one another

Honors Chemistry Extra Stoichiometry Problems

Honors Chemistry Extra Stoichiometry Problems 1 Silver nitrate reacts with barium chloride to form silver chloride and barium nitrate a Write and balance the chemical equation $2 \text{AgNO}_3 + \text{BaCl}_2 \rightarrow 2 \text{AgCl} + \text{Ba}(\text{NO}_3)_2$ b If 3902 grams of barium chloride are reacted in an excess of silver nitrate, how many

Chapter 3 Stoichiometry - Home - Department of Chemistry

Stoichiometry Chapter 3! Stoichiometry: Calculations with Chemical Formulas and Equations Stoichiometry Anatomy of a Chemical Equation CH 4 (g) + 2O Stoichiometry Example, one more $4\text{NH}_3 + 5\text{O}_2 \rightarrow 4\text{NO} + 6\text{H}_2\text{O}$ React 15 g of NH₃ with 275 g of O₂ How much NO and H₂O is produced? What is left?

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Name Honors Chemistry // Stoichiometry Test Part I ...

Part II - Problems Solve each of the following and write your answer on the line Be sure to include the substance and its unit You must show all work or you will not receive any credit

NAME: HONORS CHEMISTRY SECTION: Multistep ...

NAME: HONORS CHEMISTRY SECTION: Multistep Stoichiometry Problems A General Process for Problem Solving 1 List what you know Is the equation balanced? What are you solving for? Possible mole ratios? gfm? 2 Set up the problem Keep close eye on units Include "mole-mole" bridge

Stoichiometry Practice Worksheet

3 $\text{SnF}_2 + \text{N}_2\text{O}_3$ Solve the following stoichiometry grams-grams problems: 6) Using the following equation: $2\text{NaOH} + \text{H}_2\text{SO}_4 \rightarrow 2\text{H}_2\text{O} + \text{Na}_2\text{SO}_4$ How many grams of sodium sulfate will be formed if you start with 200 grams of sodium hydroxide and you have an excess of sulfuric acid? 7) Using the following equation: $\text{Pb}(\text{SO}_4)_2 + 4\text{LiNO}_3$

Honors Chemistry: Unit 6 Test Stoichiometry PRACTICE TEST ...

Honors Chemistry: Unit 6 Test - Stoichiometry - PRACTICE TEST ANSWER KEY Page 5 Problem #16; complete explanation: What is the percent composition of aluminum oxide (Al_2O_3)? Percent composition simply means the percent mass of each element in a compound

Stoichiometry: Problem Sheet 1 - FREE Chemistry Materials ...

Chemistry: Stoichiometry - Problem Sheet 1 Directions: Solve each of the following problems Show your work, including proper units, to earn full credit 1 Silver and nitric acid react according to the following balanced equation: $3\text{Ag}(s) + 4\text{HNO}_3(aq) \rightarrow 3\text{AgNO}_3(aq) + 2\text{H}_2\text{O}(l) + \text{NO}(g)$ A

chapter 6 balancing stoich worksheet and key

5 Balancing and Stoichiometry: a $\text{H}_2 + \text{Cl}_2 \rightarrow 2\text{HCl}$ (needs balanced) How many grams of HCl can be produced if 725 g of Cl_2 is reacted with an unlimited supply of H_2 ? b $\text{Al} + \text{Fe}_2\text{O}_3 \rightarrow \text{Al}_2\text{O}_3 + \text{Fe}$ (needs balanced) How many grams of Fe can be produced when 100g of Al is reacted with an excess (unlimited) supply

REACTIONS / MOLES / STOICHIOMETRY NOTES HONORS ...

REACTIONS / MOLES / STOICHIOMETRY NOTES HONORS CHEMISTRY Directions: This packet will serve as your notes for this chapter you must do stoichiometry problems with the reactants 3) Keep going to of the product (could just compare ...

Name: Date: Period: Gas Stoichiometry Problems Worksheet 1

Gas Stoichiometry Problems Worksheet 1 1 Given the unbalanced decomposition reaction of baking soda: $\text{NaHCO}_3(s) + \text{heat} \rightarrow \text{Na}_2\text{CO}_3(s) + \text{CO}_2(g) + \text{H}_2\text{O}(g)$ How many grams of each product are produced by the decomposition of 420 grams of baking soda? What volumes of carbon dioxide and water are produced at STP? 2

mc06se cFMSr i-vi

3 mol NO:2 mol NH_3 b What is the mole ratio of NO to NH_3 ? 0360 mol c If 0240 mol of NH_3 react according to the above equation, how many moles of NO will be consumed? 8 Propyne gas can be used as a fuel The combustion reaction of propyne can be represented by the following equation: $\text{C}_3\text{H}_4(g) + 4\text{O}_2(g) \rightarrow 3\text{CO}_2(g) + 2\text{H}_2\text{O}(g)$ a

Stoichiometry Worksheet #1 Answers

Stoichiometry Worksheet #1 Answers 1 Given the following equation: $2\text{C}_4\text{H}_{10} + 13\text{O}_2 \rightarrow 8\text{CO}_2 + 10\text{H}_2\text{O}$, show what the following molar ratios should be a $\text{C}_4\text{H}_{10} / \text{O}_2$ b O_2 / CO_2 c $\text{O}_2 / \text{H}_2\text{O}$ d $\text{C}_4\text{H}_{10} / \text{CO}_2$ e $\text{C}_4\text{H}_{10} / \text{H}_2\text{O}$ 2 Given the following equation: $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$ a How many moles of O_2 can be produced by

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Stoichiometry Worksheet and Key 165 mol KClO_3 mol KClO_3 mol O_2 = mol O_2 350mol KCl = mol KClO_3 = 0.275 mol Fe = mol Fe_2O_3 = = 2 $\text{KClO}_3 \rightarrow 2 \text{KCl} + 3 \text{O}_2$ 10 How

Worksheet #5

Dougherty Valley HS Chemistry Stoichiometry - Limiting Reagent Stoich Practice Given the following equation: (Unbalanced) $\text{Al}_2(\text{SO}_4)_3 + \text{NaOH} \rightarrow \text{Na}_2\text{SO}_4 + \text{Al}(\text{OH})_3$ 5) If 100 g of $\text{Al}_2(\text{SO}_4)_3$ is reacted with 100 g of NaOH , determine the limiting reagent and the excess reagent

Unit 11 Packet - Page 1 of 14 Honors Chemistry - Unit 11

Honors Chemistry - Unit 11 Chapters 10 & 11 - Gases, Gas Laws, and Gas Stoichiometry Examples & practice on ideal gas law worksheet!

Stoichiometry of Gases Can do L-L conversions (just like mol-mol) with 2 gases and an equation Example: Given: $\text{C}_3\text{H}_8(\text{g}) + 5 \text{O}_2(\text{g}) \rightarrow 3 \text{CO}_2(\text{g}) + 4 \text{H}_2\text{O}(\text{g})$

213 MULTIPLE CHOICE. Choose the one alternative that best ...

Chemistry 212 - 213 Reveiw Stoichiometry MULTIPLE CHOICE Choose the one alternative that best completes the statement or answers the question 1) How many grams of ...