

## *Stoichiometry Problem Sheet 1 Answers*

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**Stoichiometry Problem Sheet 1 Answers**

KEY 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:

**Stoichiometry: Problem Sheet 1 - teachnlearnchem.com**

Unformatted text preview: Stoichiometry Practice Worksheet 1 – Answer Sheet Solve the following problems using the factor unit method. Show all your work, including units. Cross out units to verify your answer. Round molar masses to the tenths. 1) The reaction between hydrazine,  $\text{N}_2\text{H}_4$ , and dinitrogen tetroxide is sometimes used in rocket propulsion.

**Stoichiometry Worksheet 1-Answer Sheet.pdf - Stoichiometry ...**

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.  $\text{O}_2 / \text{CO}_2$  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  $\text{O}_2$  can be produced by ...

**Stoichiometry Worksheet #1 Answers - My Chemistry Class**

stoichiometry mole problems worksheet answer key PDF solution stoichiometry problems and answer keys PDF Unit 8 HW - Stoichiometry KEY - Worksheet 1, UNIT EIGHT ... Unit 8 HW - Stoichiometry KEY - Worksheet 1, ... H2188 '3 f l c) H28 / Ss l 3) Answer the following questions for this equation: ... stoichiometry homework key.

**Stoichiometry Homework Sheet With Answer Key**

Stoichiometry 1. Showing top 8 worksheets in the category - Stoichiometry 1. Some of the worksheets displayed are Stoichiometry practice work, Stoichiometry practice work, Stoichiometry 1 work and key, Stoichiometry work 1, Stoichiometry problems 1 work, Stoichiometry work 1 answers, Stoichiometry problem 1, Chapter 6 balancing stoich work and key.

**Stoichiometry 1 Worksheets - Printable Worksheets**

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:  $3 \text{Ag(s)} + 4 \text{HNO}_3 \text{(aq)} \rightarrow 3 \text{AgNO}_3 \text{(aq)} + 2 \text{H}_2\text{O(l)} + \text{NO(g)}$

**Stoichiometry: Problem Sheet 1 - teachnlearnchem.com**

Name \_\_\_\_\_ Solution Stoichiometry Worksheet Solve the following solutions Stoichiometry problems: 1. How many grams of silver chromate will precipitate when 150. mL of 0.500 M silver nitrate are added to 100. mL of 0.400 M potassium chromate? 2  $\text{AgNO}_3$

**Solution Stoichiometry Worksheet - sheffieldschools.org**

13) Using the equation from problem #12, determine the mass of aluminum acetate that can be made if I do this reaction with 125 grams of acetic acid and 275 grams of aluminum hydroxide. 14) What is the limiting reagent in problem #13? 15) How much of the excess reagent will be left over in problem #13 after the reaction is complete?

**Stoichiometry Practice Worksheet - Hazleton Area School ...**

Stoichiometry: Mixed Problems (KEY) 1)  $\text{N}_2 + 3\text{H}_2 \rightarrow 2\text{NH}_3$  What volume of  $\text{NH}_3$  at STP is produced if 25.0 of  $\text{N}_2$  is reacted with an excess of  $\text{H}_2$ ? 3 3 3 2 2 2 40.0L  $\text{NH}_3$  1mol  $\text{NH}_3$  22.4L  $\text{NH}_3$  1mol N 2mol  $\text{NH}_3$  28.0g N 25.0g N 1mol N  $\times \times \times =$  2)  $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$  If 5.0g of  $\text{KClO}_3$  is decomposed, what volume of  $\text{O}_2$  is produced at STP? 2

**Stoichiometry: Mixed Problems (KEY)**

GAS STOICHIOMETRY WORKSHEET Please answer the following on separate paper using proper units and showing all work. Please note that these problems require a balanced chemical equation. 1. Carbon monoxide reacts with oxygen to produce carbon dioxide. If 1.0 L of carbon monoxide

reacts with oxygen at STP, a.

**GAS STOICHIOMETRY WORKSHEET**

Chemistry 801: Mole/Mole and Mole/Mass Stoichiometry Problems Instructions Before viewing an episode, download and print the note-taking guides, worksheets, and lab data sheets for that episode, keeping the printed sheets in order by page number.

**Chemistry 801: Mole/Mole and Mole/Mass Stoichiometry ...**

Stoichiometry Practice Worksheet Solve the following stoichiometry grams-grams problems: 1) 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 200.0

**Stoichiometry Practice Worksheet - Social Circle City ...**

UNIT 9 - STOICHIOMETRY Stoichiometry Problems 1 Worksheet 1. When lead (II) sulfide is burned in air, lead (II) oxide and sulfur dioxide are produced. If 0.890 moles of sulfur dioxide were produced, how many moles of oxygen gas were required to react with the lead (II) sulfide?  $\text{PbS} + \text{O}_2 \rightarrow \text{PbO} + \text{SO}_2$

**UNIT 9 - STOICHIOMETRY Stoichiometry Problems 1 Worksheet ...**

Page 1 L.M. Petrovich Stoichiometry Worksheet Your CAMS textbook has clear explanations of the basic elements of stoichiometry in sections 1.4, 1.5 and Appendix A. For extra practice, try all the problems at the end of Appendix A and chapter 1 odd problems 15, 17, 19, 21, 23, 25, 27 and 29. The Factor-Label Method

**Stoichiometry Worksheet - WebAssign**

Worksheets \*Vocabulary - Stoichiometry pdf \*Island Diagram (Reference sheet) \*Stoichiometry - Problem Sheet 1 pdf \*Stoichiometry - Problem Sheet 2 pdf \*Generic stoichiometry pdf \*Generic pdf \*Easy Stoichiometry pdf \*Limiting Reactants pdf \*Visualizing Limiting Reactants pdf \*Percent Yield pdf \*Energy and Stoichiometry pdf \*Bags of Fertilizer ...

**Mr. Christopherson / Stoichiometry**

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**ANSWER KEY for Stoichiometry Review - chemistrygods.net**

Worksheet #1 Stoichiometry 1. Calculate the number of grams water produced by the complete reaction of 100. g of hydrogen with excess oxygen (theoretical yield).  $2 \text{ H}_2 + \text{O}_2 \rightarrow 2 \text{ H}_2\text{O}$  100. g  $\text{H}_2 \times \frac{1 \text{ mole}}{2 \text{ g}} \times \frac{2 \text{ mole } \text{H}_2\text{O}}{1 \text{ mole } \text{O}_2} \times 18.02 \text{ g} = 892 \text{ g } \text{H}_2\text{O}$

**Worksheet #1 Stoichiometry - iannonechem.com**

Practice Problems: Stoichiometry (Answer Key) Balance the following chemical reactions: a.  $2 \text{ CO} + \text{O}_2 \rightarrow 2 \text{ CO}_2$  b.  $2 \text{ KNO}_3 \rightarrow 2 \text{ KNO}_2 + \text{O}_2$  c.  $2 \text{ O}_3 \rightarrow 3 \text{ O}_2$  d.  $\text{NH}_4\text{NO}_3 \rightarrow \text{N}_2\text{O} + 2 \text{ H}_2\text{O}$  e.  $4 \text{ CH}_3\text{NH}_2 + 9 \text{ O}_2 \rightarrow 4 \text{ CO}_2 + 10 \text{ H}_2\text{O} + 2 \text{ N}_2$  f.  $\text{Cr}(\text{OH})_3 + 3 \text{ HClO}_4 \rightarrow \text{Cr}(\text{ClO}_4)_3 + 3 \text{ H}_2\text{O}$  Write the balanced chemical equations of each reaction:

**Practice Problems: Stoichiometry (Answer Key)**

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_ Gas Stoichiometry Problems Worksheet 1 1. Given the unbalanced decomposition reaction of baking soda:  $\text{NaHCO}_3 (\text{s}) + \text{heat} \rightarrow \text{Na}_2\text{CO}_3 (\text{s}) + \text{CO}_2 (\text{g}) + \text{H}_2\text{O} (\text{g})$  How many grams of each product are produced by the decomposition of 42.0 grams of baking soda?

**Name: Date: Period: Gas Stoichiometry Problems Worksheet 1**

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## Stoichiometry Problem Sheet 1 Answers

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