

Name _____ Date _____ Class _____

CHAPTER 8 REVIEW*Chemical Equations and Reactions***SECTION 8-1****SHORT ANSWER** Answer the following questions in the space provided.

1. Match the symbol on the left with its appropriate description on the right.

- | | |
|----------------------------|--|
| _____ Δ | (a) A precipitate forms. |
| _____ \downarrow | (b) A gas forms. |
| _____ \uparrow | (c) A reversible reaction occurs. |
| _____ (l) | (d) Heat is applied to the reactants. |
| _____ (aq) | (e) A chemical is dissolved in water. |
| _____ \rightleftharpoons | (f) A chemical is in the liquid state. |

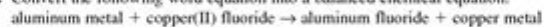
2. Finish balancing the following equation:



3. In each of the following formulas with coefficients, write the total number of atoms present.

- | | |
|-------|------------------------------------|
| _____ | a. 4SO_2 |
| _____ | b. 8O_2 |
| _____ | c. $3\text{Al}_2(\text{SO}_4)_3$ |
| _____ | d. $6 \times 10^{23} \text{HNO}_3$ |

4. Convert the following word equation into a balanced chemical equation:



5. One way to test the salinity of a water supply is to add a few drops of silver nitrate of known concentration to the water. As the solutions of sodium chloride and silver nitrate mix, a precipitate of silver chloride forms, leaving sodium nitrate in solution. Translate these sentences into a balanced chemical equation.

6. a. Balance the following equation: $\text{NaHCO}_3(s) \xrightarrow{\Delta} \text{Na}_2\text{CO}_3(s) + \text{H}_2\text{O}(g) + \text{CO}_2(g)$ 

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Chapter 12 Review Solutions Section

Modern Chemistry 1 Solutions CHAPTER 12 REVIEW Solutions Teacher Notes and Answers Chapter 12 SECTION 1 SHORT ANSWER 1. c 2. a 3. b 2. a. alcohol b. water c. the gels 3. The mixture is a colloid. The properties are consistent with those reported in Table 3 on page 404 of the text. The particle size is small, but not too small, and the mixture

CHAPTER 12 REVIEW Solutions - Weebly

This Chapter 12 Review, Section 1: Solutions Worksheet is suitable for 9th - 12th Grade. Here is a different approach to solutions: a worksheet that has chemistry learners use words to describe them! This is an outstanding exercise that will stretch learners to show what they know. They answer questions comparing solutions, suspensions, and colloids.

Chapter 12 Review, Section 1: Solutions Worksheet for 9th ...

CHAPTER 12 REVIEW Solutions SECTION 1 SHORT ANSWER Answer the following questions in the space provided. 1. Match the type of mixture on the left to its representative particle diameter on the right. c solutions (a) larger than 1000 nm a suspensions (b) 1 nm to 1000 nm b colloids (c) smaller than 1 nm 2. Identify the solvent in each of the following examples:

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This Chapter 12 Review, Mixed Review: Solutions Worksheet is suitable for 9th - 12th Grade. Although there are only six questions on this chemistry handout, it makes a thorough review of solutions. Novices explain why a compound is not an electrolyte, identify types of compounds, and calculate moles, grams, and molalities in various solutions.

Chapter 12 Review, Mixed Review: Solutions Worksheet for ...

Chapter 12 Solutions review. STUDY. PLAY. solution. homogeneous mixture of two or more substances, consisting of ions or molecules. solute. gas or solid dissolved in a liquid or solution component in small amount. solvent. liquid that dissolves a gas or solid or the solution component in greater amount. miscible fluids . fluids that mix with or dissolve in each other in all proportions ...

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CHAPTER 12 REVIEW. Solutions. SECTION 1. SHORT ANSWER Answer the following questions in the space provided. 1. Match the type of mixture on the left to its representative particle diameter on the right. c solutions (a) larger than 1000 nm. a suspensions (b) 1 nm to 1000 nm. b colloids (c) smaller than 1 nm. mc06se cFMsR i-vi Chapter 12 Section 1 Solutions Download Chapter 12 Section 1 Solutions - m ...

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Chapter 12 Solutions Review. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. mbyrd89. Terms in this set (39) Molecules whose solutions can carry electric current. ionize in water. Which of the following does not increase the rate at which a solid dissolves in water. using large pieces of the solid . Henry's law relates. pressure to gas-liquid solubility. Raising ...

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Modern chemistry chapter 12 section 2 review answers ...

CHAPTER . 12 . REVIEW ""- Solutions . SHORT ANSWER Answer the following questions in the space provided. 1. Describe the errors made by the following students in making molar solutions. 3. James needs a 0.600 M solution of KCl. He measures out 0.600 g of KCl and adds 1 L of water to the solid. James made several errors. First, 0.600 mol of ...

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Modern Chemistry 105 Solutions CHAPTER 12 REVIEW Solutions SECTION 2 SHORT ANSWER Answer the following questions in the space provided. 1. The following are statements about the dissolving process. Explain each one at the molecular level. a. Increasing the pressure of a solute gas above a liquid solution increases the

CHAPTER 12 REVIEW Solutions - images.pcmac.org

Modern Chemistry Chapter 12-Solutions Section 1- Types of Mixtures Solutions are homogeneous mixtures of two or more substances in a single phase. Soluble describes a substance as capable of being dissolved. Solvent is the dissolving medium

Modern Chemistry Chapter 12 Section 2 Review Answers

CHAPTER . 12 . REVIEW . Solutions . SHORT ANSWER Answer the following questions in the space provided. 1. The following are statements about the dissolving process.

Explain each one at the molecular level. a. Increasing the pressure of a solute gas above a liquid solution increases the solubility of the gas in the liquid.

Solutions - Weebly

Solution Concentrations Percent composition by mass (%) is a concentration that expresses the percent of solute in a solution. % = #g solute x 100 # g solution Do section review problems #1, #2, & #3 on page 424. Chapter 12 Test Review multiple choice (30) define & identify suspensions & solutions

Modern Chemistry Chapter 12 Solutions | Solution ...

CHAPTER 12 REVIEW Solutions SECTION 1 SHORT ANSWER Answer the following questions in the space provided. 1. Match the type of mixture on the left to its representative particle diameter on the right. ____ solutions (a) larger than 1000 nm ____ suspensions (b) 1 nm to 1000 nm ____ colloids (c) smaller than 1 nm 2. Identify the solvent in each of the following examples: ____ a tincture of ...

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This Chapter 12 Review, Section 3: Solutions Worksheet is suitable for 9th - 12th Grade. A neat presentation and challenging content make this solutions worksheet an ideal homework assignment for your budding chemists. Short answer and problem solving questions get them to review molarity, products, and reactants.

Chapter 12 Review, Section 3: Solutions Worksheet for 9th ...

Section 12-2: Pg. 673 # 3 - 8, 11 - 19, 21, 30 - 32 5/8: Section 12-3 12-1 to 12-3 WS Worksheet Solutions 5/9: Section 12-4 (angles) Pg. 681 # 1 - 8, 17 - 19, 43, 44 5/10: Ch. 12 Quiz Section 12-4 (sides) Pg. 681 (b) # 9 - 15, 20 - 23 5/13: Section 12-4 Day 2 12-4 Worksheet 5/14: Section 12-5 Pg. 697 # 2 - 38 even 5/15: Chapter Review

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