

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. |

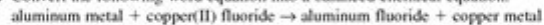
2. Finish balancing the following equation:



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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Chemical Reactions Chapter Review Answers

Answer Key: Chemical Reactions Review reactants on the left, products on the right iodine, bromine, chlorine, fluorine, oxygen, nitrogen, hydrogen a whole number in front of an element or compound in a chemical equation; used to balance the equation.

Answer Key: Chemical Reactions Review

Chapter Review Describing Chemical Reactions Answers Author: s2.kora.com-2020-10-13T00:00:00+00:01 Subject: Chapter Review Describing Chemical Reactions Answers Keywords: chapter, review, describing, chemical, reactions, answers Created Date: 10/13/2020 1:07:17 AM

Chapter Review Describing Chemical Reactions Answers

Chemical Equations and Reactions MIXED REVIEW SHORT ANSWER Answer the following questions in the space provided. 1. b A balanced chemical equation represents all the following except (a) experimentally established facts. (b) the mechanism by which reactants combine to form products. (c) identities of reactants and products in a chemical reaction.

8 Chemical Equations and Reactions - David Brearley High ...

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CHAPTER 8 Chemical Equations and Reactions

described with chemical equations. This chapter begins with a discussion of how to interpret and write chemical equations. 4.1 Chemical Reactions and Chemical Equations 4.2 Solubility of Ionic Compounds and Precipitation Reactions Review Skills The presentation of information in this chapter assumes that you can already perform

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Introduction to Chemical Reactions and Equations ...

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Quia - Chemical Reaction Vocabulary Review

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$\frac{1}{2}$ Chemistry Test Review Sheet Chapters 10 & 11

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Science Quiz: Chemistry: Chemical Reactions

Review Questions Key Ideas Chapter Problems. 244 Study Guide for An Introduction to Chemistry Section Goals and Introductions Section 16.1 Collision Theory: A Model for the Reaction Process Goals To describe a model, called collision theory, that helps us to visualize the process of many chemical reactions. To use collision theory to explain why not all collisions between possible reactants ...

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