

classifying and balancing equations pdf

Directions: First, balance each of the chemical equations below. Then, classify each reaction as synthesis , decomposition , single-replacement , or double-replacement .

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Balance the following equations and indicate the type of reaction as formation, decomposition, single replacement, double replacement, hydrocarbon combustion, or other. a.

Worksheet: Writing and Balancing Chemical Reactions

represented by a chemical equation using formulas (top). This example illustrates the fundamental aspects of any chemical equation: 1.

The substances undergoing reaction are called reactants, and their formulas are placed on the left side of the equation. 2. The substances generated by the reaction are called products, and their formulas are placed on the right side of the equation. 3.

4.1 Writing and Balancing Chemical Equations

Classifying Chemical Reactions Worksheet Name: _____ Period: _____ Classify each reaction as acid/base, redox, synthesis, decomposition, single replacement, double replacement or combustion. They may be more than one. The equations are not balanced. 1.

Classifying Chemical Reactions Worksheet

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284 Chapter 9 Chemical Reactions Figure 9.3 Science, like all other disciplines, has a specialized language that allows specific information to be communicated in a uniform manner. This reaction between aluminum and bromine can be described by a word equation, a skeleton equation, or a balanced chemical equation.

Chapter 9: Chemical Reactions

Balancing Chemical Reactions Chemical reactions are like recipes in that the quantity and types of ingredients, or reactants, can be related to the quantity and type of cooked food, or product(s) formed. Balancing chemical reactions then allows one to determine stoichiometry calculations by understanding the ratio between reactants and/or products.

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List the 5 types of chemical reactions and classify each of the reactions in part 2 above. Using the activity series, put an X through any reaction shown that will not occur naturally.

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