

## Section 4.3

# Chemical Equations

# Before You Read



### 1. Words to Know

Directions: Match the correct definition to the term on the left.  
Scan pages 202 – 211 to find the definitions.

Words to Know	Definition
___ balanced chemical	A. the total mass of the products is equation always equal to the total mass of the reactants in a chemical reaction
___ chemical equation	B. new pure substances formed after chemical changes occur to one of more original substances
___ chemical reaction	C. a set of chemical symbols and formulas that identify the reactants and products in a chemical reaction
___ conservation of mass	D. the formulas of the reactants and products without any coefficients
___ products	E. the identities of each pure substance involved as well as the matching number of atoms of each element on both sides of a chemical equation
___ reactants	F. One or more chemical changes that occur at the same time to one or more substances
___ skeleton equation	G. the representation of chemical changes using words and symbols
___ symbolic equation	H. pure substances (elements and compounds) that can undergo a chemical change with each other when placed in the right conditions

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## 2. Predicting the Main Ideas of Section 4.3

Directions: Scan pages 202 – 211 looking at the pictures and titles within this section. Predict six things you think you will learn in this section.

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2. \_\_\_\_\_  
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3. \_\_\_\_\_  
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4. \_\_\_\_\_  
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5. \_\_\_\_\_  
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6. \_\_\_\_\_  
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