

Section 1 ■ Chemical Changes

Section 2 ■ Chemical Equations

amounts

atoms

chemical reaction

coefficients

equation

forms

substance

products

reactants

A 1. _____ is a change in which one or more substances are converted into new substances. A chemical 2. _____ is a way to describe a chemical reaction using chemical formulas and other symbols. In a chemical equation, the substances on the left side of the arrow that react are the starting substances called 3. _____. The substances on the right side of the arrow are the substances produced from the reaction, called 4. _____. The arrow means *produces*, or 5. _____.

In a chemical equation, the numbers to the left of the formulas for reactants and products are called 6. _____. They represent the number of units of each 7. _____ taking part in a chemical reaction. Knowing the number of units helps chemists to add the correct 8. _____ of reactants to a reaction.

A balanced chemical equation has the same number of 9. _____ of each element on both sides of the equation.