

Vocabulary

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Study the vocabulary words and definitions below.

balance the method by which the numbers and types of atoms on each side of an equation are made equal

chemical equation a shorthand, symbolic way of telling about a chemical reaction using symbols and formulas

Example: $\text{NaOH} + \text{HCl} \longrightarrow \text{NaCl} + \text{H}_2\text{O}$

coefficient the number in front of the symbol of an element that tells how many molecules of a substance are involved in a reaction

Example: $2 \text{H}_2\text{O}$

conservation of mass matter cannot be created or destroyed during a chemical reaction

formula a group of symbols used to name a compound

Example: NaCl is the formula for sodium chloride, common table salt

subscript a number in a chemical formula that tells how many atoms of an element are in a molecule

Example: H_2

yields makes or produces