

## Chemistry Language Cards

<b>symbol(s)</b>	One or two letters used to represent an element
<b>chemical formula</b>	A combination of symbols and numbers that represent the number and types of elements (atoms) present in a compound
<b>subscript</b>	A small number to the right of a symbol that is written below the normal line of letters to show how many atoms of an element are present in a substance. No subscript means there is only one atom present.
<b>chemical reaction</b>	When substances interact to form one or more new substances with different properties than the original substances
<b>chemical equation</b>	A combination of symbols and chemical formulas used to describe what happens in a chemical reaction. The equation identifies the reactants and resulting products.

<b>coefficient</b>	A number written in front of a chemical formula to show how many molecules of that substance are present.
<b>reactant</b>	Formulas written on the left side of the arrow symbol ( $\rightarrow$ ) are the starting substances in a chemical reaction.
<b>product</b>	Formulas written on the right side of the arrow symbol ( $\rightarrow$ ) are the new substances formed in a chemical reaction.
<b>yields</b>	An arrow symbol that shows a reaction has taken place. The reactants have reacted to produce a new substance (the product).
<b>compound</b>	A substance composed of two or more elements chemically combined and in a definite proportion

<b>physical change</b>	<b>A change in which the characteristics of a substance are only changed physically and the chemical composition stays the same.</b>
<b>chemical change</b>	<b>A change in which a substance (or substances) is changed into one or more new substances with different properties than the original substances</b>
<b>law of conservation of mass</b>	<b>Matter is not created or destroyed, only changed. The number of atoms in the reactants must be equal to the number of atoms in the product.</b>
<b>precipitate</b>	<b>A solid that forms as a result of a chemical reaction. It may appear cloudy and will fall to the bottom of the container over time.</b>