

Chemical formulas can be used to determine the number of atoms of each element found in compounds.

— How are chemical formulas used to determine the number of atoms of each element found in compounds?

— What is the purpose of a subscript in a chemical formula?

— What is the purpose of coefficients in a chemical formula?

Chemical reactions indicate that new substances with different properties are formed.

— What evidences indicate that a new substance has formed as a result of a chemical reaction?

— What are the components of a chemical equation?

— After a reaction, how do the reactants and products in a chemical equation compare?

A balanced equation represents the law of conservation of mass or that every atom present at the start of the reaction is still present at the end of the reaction.

— How are balanced chemical equations and the law of conservation of mass related?

— What is meant by “balanced” equation?