# Reaction Rates and Chemical Equilibrium



## Glossary

TERM	DEFINITION
activation energy	the minimum amount of energy needed to start a chemical reaction
catalyst	a substance that lowers the activation energy of a reaction but is otherwise not part of the reaction.
chemical equation	the symbolic representation of a chemical reaction can be written as
chemical equilibrium	a control formation recognishes principle for transactional control and control of the same control assembles of recognising the same through
chemical reaction	a process that involves the rearrangement of atoms, molecules, or both to form new substances
concentration	the amount of solute in a given amount of solvent or solution
endothermic reaction	a chemical reaction that absorbs energy
energy	the property of a body or a system that enables it to do work or cause a change
exothermic reaction	a chemical reaction that releases energy
product	a substance formed in a chemical reaction
reactant	a substance that is present at the beginning of a chemical reaction and is transformed by the reaction
reaction rate	the rate at which reactants are used up or products are formed in a chemical reaction
reversible reaction	a chemical reaction that occurs simultaneously in the forward and reverse directions, converting reactants to products and products to reactants

## Objective

In this lesson, you will product for aftering the amounted or which a chemical reaction takes place changes the rate of the reaction and the amounts of products.

# **Reaction Rates**

In a chemical reaction, atoms rearrange themselves by breaking and forming new bonds. The atoms of the reactants rearrange to form the products, which are made of the same atoms as the reactants. The time taken for reactants to convert to products is the reaction rate. As a reaction progresses, the amount of reactants decreases and the amount of products increases.

# Reaction Chemistry Rates And Equilibrium Guided Answers

**Marcy Osgood, Karen Ocorr** 

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