



Reaction Rates and Equilibrium Study Guide

Topics Covered:

Factors affecting reaction rates
Collision theory of reaction rates
Reaction progress diagrams (activation energy and transition states)
Rate laws and the method of initial rates
Chemical equilibrium
Equilibrium expressions and constants and their meaning
Product-favored vs. Reactant-favored
Shifting equilibrium and Le Chatelier's Principle
Quantitative calculations of equilibrium systems using ICE tables

Practice Questions: [Click here for an answer key](#)

- Describe how each of the following factors would affect the rate of "particle collisions" in your response.
 - Temperature decrease
 - Addition of iodide ions, I^- , as a catalyst
 - Increased reactant concentration
 - Crushing a solid into a powder (with larger surface area)
- The reaction progress diagram shows the energy changes that take place in the reaction of carbon monoxide gas with nitrogen dioxide gas.



Chapter Assessment Reaction Rates Study Guide

Ensheng Dong



Chapter Assessment Reaction Rates Study Guide:

Reviewing **Chapter Assessment Reaction Rates Study Guide**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Chapter Assessment Reaction Rates Study Guide**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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