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5: Chemical Kinetics, Reaction Mechanisms, and Chemical ...

Chemical kinetics is the study of chemical processes and rates of reactions. This includes the analysis of conditions that affect speed of a chemical reaction, understanding reaction mechanisms and transition states, and forming mathematical models to predict and describe a chemical reaction.

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Chemical Kinetics - Duke University

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The second edition of Chemical Kinetics and Dynamics has been revised to include the latest information as well as new topics, such as heterogeneous reactions in atmospheric chemistry, reactant product imaging, and molecular dynamics of H + H2. It provides an experimental observation of the transition state ("Femtochemistry"); new treatment of stratospheric chemistry, including heterogeneous processes, balance among catalytic cycles, environmental consequences, and policy implications as ...

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Reaction dynamics - Wikipedia

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Great job in covering most of the fundamentals of diverse areas of chemical kinetics in such small pages! Would have given five stars only if it discussed molecular reaction dynamics in a bit more detail.

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