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Calculate E_a . Ans. 4.9. The activation energy for the reaction, $2 \text{HI}(\text{g}) \rightarrow \text{H}_2 + \text{I}_2(\text{g})$ is $209.5 \text{ kJ mol}^{-1}$ at 581

K. Calculate the fraction of molecules of reactants having energy equal to or

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Kinetics - Wikipedia

In 1901 he was awarded by the first Nobel Prize in Chemistry "in recognition

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of the extraordinary services he has rendered by the discovery of the laws of chemical dynamics and osmotic pressure in solutions". After van 't Hoff, chemical kinetics deals with the experimental determination of reaction rates from which rate laws and rate constants are derived.

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