

UNIT 3

CHEMICAL KINETICS

Multiple Choice Questions (MCQs)

- The reactions which occurs very fast are
 - mixing aqueous solutions of silver nitrate and sodium chloride
 - Rusting of iron.
 - Inversion of cane sugar
 - hydrolysis of starch.
- In the rate equation, when the conc. of reactants is unity then rate is equal to
 - specific rate constant
 - average rate constant
 - instantaneous rate constant
 - None of above
- The rate of reaction between two specific time intervals is called
 - instantaneous rate
 - average rate
 - specific rate
 - ordinary rate
- Which one of the following statements for the order of a reaction is incorrect ?
 - Order can be determined only experimentally.
 - Order is not influenced by stoichiometric coefficient of the reactants.
 - Order of reaction is sum of power to the concentration terms of reactants to express the rate of reaction.
 - Order of reaction is always whole number.
- Units of rate constant of first and zero order reactions in terms of molarity M unit are respectively
 - $\text{sec}^{-1}, \text{M sec}^{-1}$
 - $\text{sec}^{-1}, \text{M}$
 - $\text{M sec}^{-1}, \text{sec}^{-1}$
 - $\text{M}, \text{sec}^{-1}$
- In a 1st order reaction, reactant concentration C varies with time t as :
 - $1/C$ increases linearly with t
 - $\log C$ decreases linearly with t
 - C decreases with $1/t$
 - $\log C$ decreases with $1/t$
- For a first order reaction, a plot of $\log(a-x)$ against time is a straight line with a slope equal to
 - $\frac{-k}{2.303}$
 - $-2.303k$
 - $\frac{2.303}{k}$
 - $-\frac{E_a}{2.303R}$
- In a reaction, when the concentration of reactant is increased two times, the increase in rate of reaction was four times. Order of reaction is :
 - zero
 - 1
 - 2
 - 3
- The plot that represents the zero order reaction is :
 - 
 - 
 - 
 - 

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Chemical Kinetics Multiple Choice Questions And Answers:

Reviewing **Chemical Kinetics Multiple Choice Questions And Answers**: 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 really astonishing. Within the pages of "**Chemical Kinetics Multiple Choice Questions And Answers**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on 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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