

VSA QUESTIONS (1 - MARK QUESTIONS)

1. Define the term 'rate of reaction'.
2. Mention the units of rate of reaction.
3. Express the rate of reaction in terms of $\text{Br}^- (\text{aq})$ as reactant and $\text{Br}_2 (\text{aq})$ as product for the reaction :



4. For a chemical reaction represented by $\text{R} \rightarrow \text{P}$ the rate of reaction is denoted by

$$\frac{-\Delta[\text{R}]}{\Delta t} \text{ or } \frac{+\Delta[\text{P}]}{\Delta t}$$

Why a positive sign (+) is placed before $\frac{\Delta[\text{P}]}{\Delta t}$ and negative sign (-)

before $\frac{\Delta[\text{R}]}{\Delta t}$?

5. Express the rate of reaction in terms of disappearance of hydrogen and appearance of ammonia in the given reaction.



6. Why rate of reaction does not remain constant throughout?
7. Write the unit of first order rate constant of a gaseous reaction if the partial pressure of gaseous reactant is given in bar.
8. For a zero order reaction :

$\text{R} \rightarrow \text{P}$, the change in concentration of reactant w.r.t. time is shown by following graph.

Chemistry Chemical Kinetics Practice Questions Answers

Brendan G. Carr



Chemistry Chemical Kinetics Practice Questions Answers:

Chemistry Chemical Kinetics Practice Questions Answers Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Chemistry Chemical Kinetics Practice Questions Answers**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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