

Chapter 1: REACTION KINETICS

1.1 REACTION ORDER AND RATE

- a) zero-order reaction: $\text{rate} = k[A]^0$
- b) first-order reaction: $\text{rate} = k[A]^1$
- c) second-order reaction: $\text{rate} = k[A]^2$
- d) third-order reaction: $\text{rate} = k[A]^3$
- e) fourth-order reaction: $\text{rate} = k[A]^4$
- f) fifth-order reaction: $\text{rate} = k[A]^5$
- g) sixth-order reaction: $\text{rate} = k[A]^6$
- h) seventh-order reaction: $\text{rate} = k[A]^7$
- i) eighth-order reaction: $\text{rate} = k[A]^8$
- j) ninth-order reaction: $\text{rate} = k[A]^9$
- k) tenth-order reaction: $\text{rate} = k[A]^{10}$
- l) eleventh-order reaction: $\text{rate} = k[A]^{11}$
- m) twelfth-order reaction: $\text{rate} = k[A]^{12}$
- n) thirteenth-order reaction: $\text{rate} = k[A]^{13}$
- o) fourteenth-order reaction: $\text{rate} = k[A]^{14}$
- p) fifteenth-order reaction: $\text{rate} = k[A]^{15}$
- q) sixteenth-order reaction: $\text{rate} = k[A]^{16}$
- r) seventeenth-order reaction: $\text{rate} = k[A]^{17}$
- s) eighteenth-order reaction: $\text{rate} = k[A]^{18}$
- t) nineteenth-order reaction: $\text{rate} = k[A]^{19}$
- u) twentieth-order reaction: $\text{rate} = k[A]^{20}$

REACTION RATE

- a) Reaction rate is the change in concentration of a reactant or product per unit time.
- b) Reaction rate is the change in concentration of a reactant or product per unit time.
- c) Reaction rate is the change in concentration of a reactant or product per unit time.
- d) Reaction rate is the change in concentration of a reactant or product per unit time.

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- e) Reaction rate is the change in concentration of a reactant or product per unit time.
- f) Reaction rate is the change in concentration of a reactant or product per unit time.
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- s) Reaction rate is the change in concentration of a reactant or product per unit time.
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- u) Reaction rate is the change in concentration of a reactant or product per unit time.
- v) Reaction rate is the change in concentration of a reactant or product per unit time.
- w) Reaction rate is the change in concentration of a reactant or product per unit time.
- x) Reaction rate is the change in concentration of a reactant or product per unit time.
- y) Reaction rate is the change in concentration of a reactant or product per unit time.
- z) Reaction rate is the change in concentration of a reactant or product per unit time.

- a) Reaction rate is the change in concentration of a reactant or product per unit time.



Reaction rate is the change in concentration of a reactant or product per unit time.

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Reaction Energy And Reaction Kinetics Study Guide

Arshad Iqbal



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