QUEBEC CHEMISTRY, SECONDARY V · UNIT C

Reaction Rate — Practice Test

Quebec Chemistry, Secondary V • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The concentration of a product rises by 0.2 moles per litre in 10 seconds. The mean reaction rate, in moles per litre per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The concentration of a reactant falls by 0.3 moles per litre in 10 seconds. The mean reaction rate, in moles per litre per second, is**

ANSWER _____

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3 **A catalyst increases a reaction rate by a factor of 4. An uncatalysed rate of 0.02 becomes, in moles per litre per second**

ANSWER _____

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4 **A catalyst increases reaction rate by providing a path with lower**

- A temperature
- B pressure
- C concentration
- D activation energy

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5 **The mean rate over an interval is the total change divided by the total**

- A mass
- B volume
- C temperature
- D time

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6 **The rate of a reaction is fastest at the**

A end

B middle only

C start

D equilibrium only

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7 **The concentration of a product rises by 0.9 moles per litre in 30 seconds. The mean reaction rate, in moles per litre per second, is**

ANSWER _____

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8 **The concentration of a reactant falls by 0.8 moles per litre in 40 seconds. The mean reaction rate, in moles per litre per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The concentration of a product rises by 1.0 moles per litre in 20 seconds. The mean reaction rate, in moles per litre per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The concentration of a reactant falls by 0.5 moles per litre in 25 seconds. The mean reaction rate, in moles per litre per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0.02
2. 0.03
3. 0.08
4. D
5. D
6. C
7. 0.03
8. 0.02
9. 0.05
10. 0.02

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