NEWFOUNDLAND AND LABRADOR CHEMISTRY 3202 · UNIT A

Reaction Kinetics and Chemical Equilibrium — Practice Test

Newfoundland and Labrador Chemistry 3202 • 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 **For an endothermic reaction, increasing temperature shifts equilibrium toward the**

A reactants

B products

C catalyst

D solids only

Understand It with Pulse | Flag a mistake

2 **Decreasing pressure on a gaseous equilibrium shifts it toward the side with**

A fewer moles of gas

B more liquids

C more moles of gas

D lower energy

Understand It with Pulse | Flag a mistake

3 **Adding a catalyst to a system at equilibrium changes the rate at which equilibrium is reached but not the**

A forward rate

B reverse rate

C temperature

D equilibrium position

Understand It with Pulse | Flag a mistake

4 **A heterogeneous equilibrium involves reactants and products in**

A different phases

B the same phase only

C gaseous phase only

D aqueous phase only

Understand It with Pulse | Flag a mistake

5 **A reactant falls by 0.8 moles per litre in 40 seconds. The average rate in moles per litre per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Equilibrium product is 0.9 and reactant is 0.3 moles per litre. The ratio is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A rate doubles per 10 degree rise. Starting at 3 units, after a 20 degree rise the rate is**

ANSWER

Understand It with Pulse | Flag a mistake

8 **A concentration rises by 1.2 moles per litre in 60 seconds. The average rate in moles per litre per second is**

ANSWER

Understand It with Pulse | Flag a mistake

9 **A reaction produces 0.03 moles per litre per second for 100 seconds. The concentration produced is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **A concentration falls from 2.4 to 0.6 moles per litre in 90 seconds. The average rate is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. D
4. A
5. 0.02
6. 3
7. 12
8. 0.02
9. 3
10. 0.019999999999999997

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