NOVA SCOTIA CHEMISTRY 12 · UNIT C · 10 QUESTIONS

Solutions, Kinetics and Equilibrium — Practice Test

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 reactant falls by 1.2 moles per litre in 30 seconds. The average rate, in moles per litre per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

2 **A salt has solubility 25 grams per 100 millilitres. The mass that dissolves in 200 millilitres is, in grams**



ANSWER

Understand It with Pulse | Flag a mistake

3 **A salt has solubility 30 grams per 100 millilitres. The mass that dissolves in 300 millilitres is, in grams**

ANSWER

Understand It with Pulse | Flag a mistake

4 **A salt AB has solubility 0.05 moles per litre. Its solubility product is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A salt AB has solubility 0.2 moles per litre. Its solubility product is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **A solution contains 20 grams of solute in 400 grams of solution. The percent by mass is**

ANSWER

Understand It with Pulse | Flag a mistake

7 **A solution contains 15 grams of solute in 300 grams of solution. The percent by mass is**

ANSWER

Understand It with Pulse | Flag a mistake

8 **Collision theory states that a reaction needs collisions with enough**

A energy and correct orientation

B volume

C light

D pressure only

Understand It with Pulse | Flag a mistake

9 **A precipitate forms when the ionic product exceeds the**

A pH

B solubility product

C rate constant

D activation energy

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10 **Stirring a dissolving solid increases the rate of dissolving by**



A heating the solvent

B changing solubility

C increasing contact between solute and solvent

D reducing mass

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0.04
2. 50
3. 90
4. 0.0025
5. 0.04
6. 5
7. 5
8. A
9. B
10. C

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