FROM SOLUTIONS TO KINETICS TO EQUILIBRIUM - PRACTICE TEST | NEW BRUNSWICK CHEMISTRY 121-122 · UNIT B · 10 QUESTIONS

From Solutions to Kinetics to 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 **A rate of 0.5 is doubled by a catalyst factor of 2. The new rate is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A saturated solution at 20 degrees holds 36 grams per 100 grams of water. In 200 grams of water the mass dissolved in grams is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Dissolving salt in water is fastest when the water is**

- A stirred and warm
- B still and cold
- C still and warm
- D cold and unstirred

Understand It with Pulse | Flag a mistake

4 **An unsaturated solution can still dissolve**

- A no solute
- B more solute
- C only gas
- D only solid

Understand It with Pulse | Flag a mistake

5 **Increasing reactant concentration usually increases rate because collisions become**

- A less frequent
- B less energetic
- C more frequent
- D slower

Understand It with Pulse | Flag a mistake

6 **A decrease in temperature usually decreases rate because fewer collisions have**

- A correct orientation
- B enough mass
- C enough volume
- D enough energy

Understand It with Pulse | Flag a mistake

7 **At equilibrium a closed system shows no net change in**

A concentration

B temperature

C pressure

D volume

Understand It with Pulse | Flag a mistake

8 **Removing product from an equilibrium system shifts it toward**

A reactants

B products

C zero

D equilibrium only

Understand It with Pulse | Flag a mistake

9 **The diagram shows product concentration levelling off. The plateau indicates the system has reached**

A completion

B saturation only

C equilibrium

D catalysis

Understand It with Pulse | Flag a mistake

10 **Henry law relates gas solubility to its**

A temperature only

B volume

C mass

D partial pressure

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	1	**5.**	C	**9.**	C
2.	72	**6.**	D	**10.**	D
3.	A	**7.**	A		
4.	B	**8.**	B		

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