PRINCE EDWARD ISLAND CHEMISTRY 12 · UNIT B

Solutions, Kinetics and Equilibrium — Practice Test

Prince Edward Island Chemistry 12 • 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 **A saturated solution contains the**

- A maximum solvent
- B no solute
- C maximum dissolved solute at that temperature
- D minimum dissolved solute

Understand It with Pulse | Flag a mistake

2 **The rate law exponent is determined by**

A temperature only

B experiment

C balancing the equation

D stoichiometry only

Understand It with Pulse | Flag a mistake

3 **An intermediate is formed and then**

A consumed during a reaction

B left as a product

C added as a catalyst

D never formed

Understand It with Pulse | Flag a mistake

4 **A solution contains 6 moles in 3 litres. Its molar concentration in moles per litre is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **To make 4 litres of 2 molar solution, the moles of solute needed are**

ANSWER

Understand It with Pulse | Flag a mistake

6 **Diluting 25 millilitres of 8 molar solution to 2 molar gives a final volume in millilitres of**

ANSWER

Understand It with Pulse | Flag a mistake

7 **A solution contains 9 moles in 3 litres. Its molar concentration in moles per litre is**

ANSWER

Understand It with Pulse | Flag a mistake

8 **To make 5 litres of 1 molar solution, the moles of solute needed are**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Diluting 150 millilitres of 2 molar solution to 1 molar gives a final volume in millilitres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A reaction rate increases by a factor of 4 when concentration doubles twice in separate tests. The order with respect to that reactant is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	8	**9.**	300
2.	B	**6.**	100	**10.**	2
3.	A	**7.**	3		
4.	2	**8.**	5		

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