MANITOBA CHEMISTRY 40S · UNIT B · 10 QUESTIONS

Reaction Rates and Kinetics — 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 number of atoms in one molecule of NH_3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A sample of oxygen has amount 4 moles and molar mass 32 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A sample of nitrogen has mass 140 grams. Its molar mass is 28 grams per mole. The amount, in moles, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A solution has hydrogen ion concentration $10^{-}2$ moles per litre . Its pH is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A solution has 3 moles of solute in 1 litres. Its concentration, in moles per litre, is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **A neutral solution has a pH of**

A 0

B 14

C 7

D 1

Understand It with Pulse | Flag a mistake

7 **The force that pulls objects toward Earth is**

A friction

B magnetism

C inertia

D gravity

Understand It with Pulse | Flag a mistake

8 **The unit of force is the**

A newton

B joule

C watt

D pascal

Understand It with Pulse | Flag a mistake

9 **The unit of energy is the**

A newton

B joule

C watt

D volt

Understand It with Pulse | Flag a mistake

10 **The unit of power is the**

A joule

B newton

C watt

D ampere

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	4	**5.**	3	**9.**	B
2.	128	**6.**	C	**10.**	C
3.	5	**7.**	D		
4.	2	**8.**	A		

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