MANITOBA CHEMISTRY 40S · UNIT A · 10 QUESTIONS

Atomic Structure — 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 solution has 6 moles of solute in 1 litres. Its concentration, in moles per litre, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A solution has 2 moles of solute in 1 litres. Its concentration, in moles per litre, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A sample of oxygen has amount 3 moles and molar mass 32 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A sample of hydrogen has amount 5 moles and molar mass 2 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The gas plants absorb from the air for photosynthesis is**

A oxygen

B carbon dioxide

C nitrogen

D hydrogen

Understand It with Pulse | Flag a mistake

7 **The gas released by plants during photosynthesis is**

A carbon dioxide

B nitrogen

C oxygen

D hydrogen

Understand It with Pulse | Flag a mistake

8 **An acid has a pH that is**

A equal to 7

B greater than 7

C equal to 14

D less than 7

Understand It with Pulse | Flag a mistake

9

A neutral solution has a pH of

A 7

B 0

C 14

D 1

Understand It with Pulse | Flag a mistake

10

The force that pulls objects toward Earth is

A friction

B gravity

C magnetism

D inertia

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	6	**5.**	10	**9.**	A
2.	2	**6.**	B	**10.**	B
3.	2	**7.**	C		
4.	96	**8.**	D		

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