MANITOBA CHEMISTRY 40S · UNIT E · 10 QUESTIONS

Acid-Base Theory and Reactions — 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 **An amount of 4 moles of hydrogen has molar mass 2 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A solution has 5 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 $10^{-}6$ moles per litre . Its pH is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A sample of water has amount 4 moles and molar mass 18 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A sample of methane has amount 6 moles and molar mass 16 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The process of water changing from liquid to gas is**

A condensation

B evaporation

C freezing

D melting

Understand It with Pulse | Flag a mistake

7 **The process of gas changing to liquid is**

A evaporation

B sublimation

C condensation

D melting

Understand It with Pulse | Flag a mistake

8 **The layer of gases surrounding Earth is the**

A lithosphere

B hydrosphere

C biosphere

D atmosphere

Understand It with Pulse | Flag a mistake

9 **The powerhouse of the cell, where energy is released, is the**

- A mitochondrion
- B nucleus
- C ribosome
- D vacuole

Understand It with Pulse | Flag a mistake

10 **The control centre of the cell, holding genetic material, is the**

- A mitochondrion
- B nucleus
- C chloroplast
- D membrane

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 8
2. 5
3. 6
4. 72
5. 96
6. B
7. C
8. D
9. A
10. B

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