MANITOBA CHEMISTRY 30S · UNIT D · 10 QUESTIONS

# Solutions — 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 2 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 3 moles of solute in 3 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 nitrogen has amount 6 moles and molar mass 28 grams per mole. Its mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **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

6 **The unit of voltage is the**

A volt

B ampere

C ohm

D watt

Understand It with Pulse | Flag a mistake

7 **The speed of light in a vacuum is about**

A 150000 kilometres per second

B 300000 kilometres per second

C 300 kilometres per second

D 3000 kilometres per second

Understand It with Pulse | Flag a mistake

8 **The planet closest to the Sun is**

A Venus

B Mars

C Mercury

D Earth

Understand It with Pulse | Flag a mistake

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

A condensation

B freezing

C melting

D evaporation

Understand It with Pulse | Flag a mistake

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

A condensation

B evaporation

C sublimation

D melting

Understand It with Pulse | Flag a mistake

# ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | 2 | **5.** | 72 | **9.** | D |
| **2.** | 1 | **6.** | A | **10.** | A |
| **3.** | 6 | **7.** | B | | |
| **4.** | 168 | **8.** | C | | |

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