MANITOBA CHEMISTRY 30S · UNIT A · 5 QUESTIONS

Physical Properties of Matter — 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 5 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 hydrogen ion concentration $10^{-}8$ moles per litre . Its pH is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The number of atoms in one molecule of NH_3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A scuba diver swims underwater with a silver oxygen tank. A sample of oxygen has amount 5 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 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

ANSWER KEY

1. 5
2. 8
3. 4
4. 160
5. 5

© 2026 Brett Robbins. All Rights Reserved.