CALIFORNIA CHEMISTRY · UNIT 3 · 5 QUESTIONS

Stoichiometry, Solutions, and Gases — 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 physics lab pulley clamped to the edge of a wooden lab table, a rope running over the pulley with a small cylindrical metal mass hanging from it, a wooden block resting on the table connected by the rope, bright daylight, sharp focus, no people, no text. The molar mass of sodium chloride, using atomic masses 23 for sodium and 35.5 for chlorine, in grams per mole, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **Water has molar mass 18 grams per mole The number of moles in 90 g of water is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Carbon dioxide has molar mass 44 grams per mole The mass, in grams, of 0.5 mol of carbon dioxide is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two moles of a substance contain about**

A 3.01×10^{23}

B 6.02×10^{23}

C 1.20×10^{24}

D 1.20×10^{23}

Understand It with Pulse | Flag a mistake

5 **A solution contains 0.25 mol of solute in 0.5 L of solution Its molarity, in mol per litre, is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 58.5
2. 5
3. 22
4. C
5. 0.5

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