MASSACHUSETTS CHEMISTRY · UNIT 2 · 5 QUESTIONS

Bonding and Chemical 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 **The bond in a chlorine molecule, Cl_2, is a**

- **A** single covalent bond
- **B** ionic bond
- **C** metallic bond
- **D** hydrogen bond

Understand It with Pulse | Flag a mistake

2 **Clear glass of water on a plain white surface. The total number of atoms in one formula unit of $Ca(OH)_2$ is ____**



ANSWER

Understand It with Pulse | Flag a mistake

3 **The reaction $2H_2 + O_2 \rightarrow 2H_2O$ is a**

A decomposition reaction

B synthesis reaction

C single replacement reaction

D double replacement reaction

Understand It with Pulse | Flag a mistake

4 **Which of these molecules is nonpolar**

A H_2O

B NH_3

C HCl

D CO_2

Understand It with Pulse | Flag a mistake

5

In the balanced equation $H_2 + Cl_2 \rightarrow 2HCl$, the coefficient of hydrogen chloride is ____

ANSWER

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. A
2. 5
3. B
4. D
5. 2

© 2026 Brett Robbins. All Rights Reserved.