INDIANA 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

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4 **Which of these molecules is nonpolar**

A $H_2O$

B $NH_3$

C HCl

D $CO_2$

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5

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

ANSWER

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## ANSWER KEY

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

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