SOUTH CAROLINA CHEMISTRY · SOUTH CAROLINA

South Carolina Chemistry
Practice Test

Unit 2: Bonding and Chemical Reactions

5 Questions

Original practice test based on the South Carolina curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

The bond in a chlorine molecule, Cl_2, is a

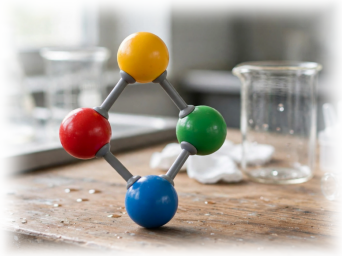
A) single covalent bond

B) ionic bond

C) metallic bond

D) hydrogen bond

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Question 2

The total number of atoms in one formula unit of $Ca(OH)_2$ is ____

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Question 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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Question 4

Which of these molecules is nonpolar

A) H_2O

B) NH_3

C) HCl

D) CO_2

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Question 5

In the balanced equation $H_2 + Cl_2 \rightarrow 2\,HCl$,

the coefficient of hydrogen chloride is ____

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ANSWER KEY

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

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