CALIFORNIA CHEMISTRY · UNIT 2 · 10 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 **Ionic compounds generally have high melting points because**

A Their bonds are weak

B They contain water

C They are gases

D Strong attractions between ions must be overcome

Understand It with Pulse | Flag a mistake

2 **A substance that conducts electricity when dissolved in water is most likely**

- **A** An ionic compound
- **B** A noble gas
- **C** A nonpolar liquid
- **D** A covalent molecular solid

Understand It with Pulse | Flag a mistake

3 **The formula of calcium oxide is**

- **A** Ca_2O_2
- **B** CaO_2
- **C** Ca_2O
- **D** CaO

Understand It with Pulse | Flag a mistake

4 **The name of the compound Al_2O_3 is**

- A Aluminium dioxide
- B Aluminium monoxide
- C Dialuminium trioxide
- D Aluminium oxide

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5 **In the reaction**
$HCl + NaOH \rightarrow NaCl + H_2O$,
the reaction type is

- A Combustion
- B Neutralization
- C Synthesis
- D Decomposition

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6 **Oxidation is defined as**

A Gain of protons

B Loss of neutrons

C Gain of electrons

D Loss of electrons

Understand It with Pulse | Flag a mistake

7 **Reduction is defined as**

A Gain of electrons

B Loss of electrons

C Loss of protons

D Gain of neutrons

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8 **In the reaction $Zn + Cu_2^+ \rightarrow Zn_2^+ + Cu$, zinc is**

A A catalyst

B Oxidised

C Unchanged

D Reduced

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9 **The oxidation number of oxygen in most compounds is**

A 2+

B 2-

C 1+

D 0

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10

To balance

____ Al + ____ O_2 → 2 Al_2O_3

the coefficient of aluminium is

ANSWER

Understand It with Pulse

Flag a mistake

ANSWER KEY

1.	D	**5.**	B	**9.**	B
2.	A	**6.**	D	**10.**	4
3.	D	**7.**	A		
4.	D	**8.**	B		

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