ARIZONA 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 **Black and silver compound light microscope on a white bench. An ionic compound conducts electricity when it is**



A A solid crystal

B Frozen

C A dry powder

D Molten or dissolved in water

Understand It with Pulse | Flag a mistake

2 **The oxidation number of manganese in manganese dioxide, MnO_2, is _____**

ANSWER

Understand It with Pulse | Flag a mistake

3 **The shape of a boron trifluoride molecule, BF_3, is**

A Trigonal planar

B Tetrahedral

C Bent

D Linear

Understand It with Pulse | Flag a mistake

4 **Which molecule is nonpolar because its shape is symmetrical**

- **A** NH_3
- **B** H_2O
- **C** CO_2
- **D** HCl

Understand It with Pulse | Flag a mistake

5 **In the balanced equation**
$2Al + ____ Cl_2 \rightarrow 2AlCl_3$,
the coefficient of chlorine is ____

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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