ALBERTA SCIENCE 10 · UNIT 1 · 10 QUESTIONS

Chemistry — 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 correct name of the molecular compound N_2O_4 is**

- A nitrogen oxide
- B dinitrogen tetroxide
- C nitrogen(IV) oxide
- D dinitrogen oxide

Understand It with Pulse | Flag a mistake

2 **A cleaning solution has its pH changed from 10 to 6. The solution has become _____ times more acidic. Record your answer as a whole number.**

ANSWER _____

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3 **Which of the following compounds is a molecular compound?**

- A $CaCl_2$
- B MgO
- C CO
- D KF

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4 **The reaction $2Mg + O_2 \rightarrow 2MgO$ is classified as a**

- A formation reaction
- B decomposition reaction
- C single replacement reaction
- D double replacement reaction

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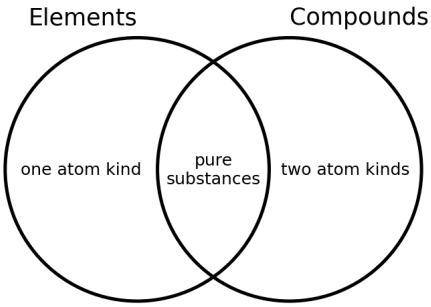
5 **The Venn diagram compares elements and compounds. The description that applies to both elements and compounds is**



A they contain only one kind of atom

B they are pure substances

C they contain two or more kinds of atoms

D they are mixtures

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6 **When the equation $C_3H_8 + O_2 \rightarrow CO_2 + H_2O$ is balanced, the coefficient in front of O_2 is**

A 3

B 4

C 6

D 5

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7 **A strip of magnesium ribbon is burned in air. The white ash that remains has a greater mass than the original ribbon because the magnesium combined with**

A nitrogen from the air

B oxygen from the air

C carbon dioxide from the air

D hydrogen from the air

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8 **Solutions of barium chloride and sodium sulfate are mixed together. The precipitate produced in this double replacement reaction is**

- **A** $BaSO_4$
- **B** NaCl
- **C** $BaCl_2$
- **D** Na_2SO_4

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9 **The number of oxygen atoms in 2 formula units of $Fe_2(SO_4)_3$ is _____. Record your answer as a whole number.**

ANSWER _____

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10 **The correct name of the acid HBr(aq) is**

A bromic acid

B hydrogen bromide acid

C hydrobromic acid

D bromide acid

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ANSWER KEY

1. B
2. 10000
3. C
4. A
5. B
6. D
7. B
8. A
9. 24
10. C

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