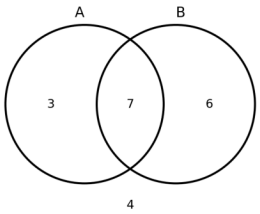
NUNAVUT CHEMISTRY 20 · UNIT A · 5 QUESTIONS

Diversity of Matter and Chemical Bonding — 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 **In the Venn diagram below, set A is substances that contain a metal and set B is substances that form a conducting solution when dissolved in water. How many substances are in both sets?**



- **A** 3
- **B** 4
- **C** 6
- **D** 7

Understand It with Pulse | Flag a mistake

2 **The correct name of N_2O_4 is**

A nitrogen tetroxide

B dinitrogen tetroxide

C dinitrogen oxide

D nitrogen(IV) oxide

Understand It with Pulse | Flag a mistake

3 **Red formula race car speeding toward the camera, front view, large in frame. The total number of atoms in one formula unit of ammonium sulfate, $(NH_4)_2SO_4$, is ____.**



ANSWER

Understand It with Pulse | Flag a mistake

4 **The Lewis diagram below shows water, H_2O. The number of lone pairs of electrons on the oxygen atom is**



- **A** 1
- **B** 2
- **C** 3
- **D** 4

Understand It with Pulse | Flag a mistake

5 **A potassium atom forms its most common ion by**

- **A** losing 1 electron
- **B** gaining 1 electron
- **C** losing 2 electrons
- **D** gaining 7 electrons

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. B
3. 15
4. B
5. A

© 2026 Brett Robbins. All Rights Reserved.