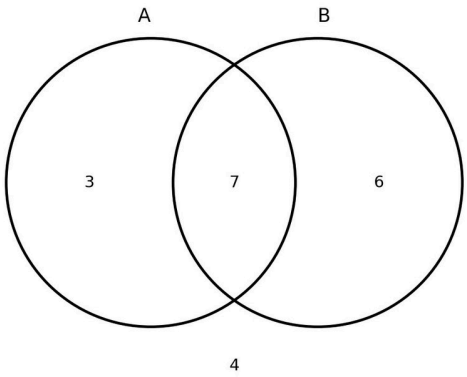
ALBERTA CHEMISTRY 20 · UNIT A · 5 QUESTIONS

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?



Question 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

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

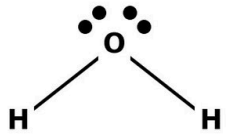
3 **Red formula race car speeding toward the camera, front view, large in frame. The total number of atoms in one formula unit of ammonium sulfate, $(NH_4)_2SO_4$, is ____.**



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**



Question 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

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

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