BRITISH COLUMBIA CHEMISTRY 11 (MCH--11) · UNIT B · 10 QUESTIONS

The Mole — 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 sodium chloride, NaCl, the percent by mass of chlorine is about**

- A 39.3
- B 60.7
- C 45.0
- D 55.0

Understand It with Pulse | Flag a mistake

2 **A compound contains 24 g of carbon and 4 g of hydrogen. Its empirical formula is**

- A CH_2
- B CH_3
- C CH_4
- D C_2H_4

Understand It with Pulse | Flag a mistake

3 **A compound has empirical formula CH_2 and molar mass 56 g per mole. Its molecular formula is**

- **A** C_2H_4
- **B** C_3H_6
- **C** C_4H_8
- **D** C_5H_{10}

Understand It with Pulse | Flag a mistake

4 **A sample contains 3 moles of water. The amount of oxygen atoms in it, in moles, is**

- **A** 1
- **B** 2
- **C** 3
- **D** 6

Understand It with Pulse | Flag a mistake

5 **The molar mass of hydrogen peroxide, H_2O_2, is**

- **A** 18 g
- **B** 34 g
- **C** 32 g
- **D** 50 g

Understand It with Pulse | Flag a mistake

6 **Hydrogen peroxide has molar mass 34 g per mole. The amount in 17 g of hydrogen peroxide, in moles, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 The molar mass of glucose, $C_6H_{12}O_6$, is

- A 90 g
- B 120 g
- C 180 g
- D 240 g

Understand It with Pulse | Flag a mistake

8 Glucose has molar mass 180 g per mole. The mass of 0.5 mole of glucose, in grams, is ____

ANSWER _____

Understand It with Pulse | Flag a mistake

9 The graph shows mass against amount for magnesium oxide. The mass at 2 moles, in grams, is ____

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **One mole of helium atoms and one mole of argon atoms contain the same number of**

A atoms

B protons

C neutrons

D grams of substance

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	B	**9.**	80
2.	A	**6.**	0.5	**10.**	A
3.	C	**7.**	C		
4.	C	**8.**	90		

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