NOVA SCOTIA CHEMISTRY 11 · UNIT A

# Stoichiometry — Practice Test

**Nova Scotia Chemistry 11 • 10 questions**

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 **A sample has mass 90 grams and molar mass 30 grams per mole. The amount, in moles, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A sample has 6 moles and molar mass 12 grams per mole. The mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Percent composition gives the percent by mass of each**

- A element in a compound
- B isotope only
- C ion only
- D mixture only

Understand It with Pulse | Flag a mistake

4 **Percent yield compares actual yield with**

- A theoretical yield
- B reactant mass
- C product colour
- D reaction time

Understand It with Pulse | Flag a mistake

5 **Stoichiometry uses the mole ratio from a**

A word list

B balanced equation

C periodic table only

D graph only

Understand It with Pulse | Flag a mistake

6 **The coefficient in front of a formula tells the**

A mass in grams

B temperature

C pressure

D number of moles or particles

Understand It with Pulse | Flag a mistake

7 **The limiting reactant is the reactant that**

- A is in excess
- B never reacts
- C is a product
- D runs out first

Understand It with Pulse | Flag a mistake

8 **A sample has mass 72 grams and molar mass 24 grams per mole. The amount, in moles, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A sample has 3 moles and molar mass 44 grams per mole. The mass, in grams, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A sample has mass 66 grams and molar mass 33 grams per mole. The amount, in moles, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

## ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | 3 | **5.** | B | **9.** | 132 |
| **2.** | 72 | **6.** | D | **10.** | 2 |
| **3.** | A | **7.** | D | | |
| **4.** | A | **8.** | 3 | | |

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