NOVA SCOTIA ADVANCED CHEMISTRY 11 · UNIT A · 10 QUESTIONS

Stoichiometry — 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 **An advanced titration sample of mass 150 grams has molar mass 50 grams per mole. 3 moles of product form per mole of sample. The product amount, in moles, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **An indicator in an acid base titration changes colour near the**

A equivalence point

B start only

C end of washing

D first drop always

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3 **Concentration in moles per litre equals amount divided by**

A mass in grams

B temperature

C volume in litres

D pressure

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4 **Diluting a solution with water keeps the amount of solute**

A doubled

B halved always

C zero

D the same

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5 **For an ideal gas at fixed temperature, pressure and volume are**



A directly related

B unrelated

C inversely related

D equal

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6 **Heating a hydrated salt usually**

- A adds water
- B drives off water of crystallisation
- C changes the metal
- D forms an acid

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7 **In a limiting reactant problem, the first step is to find the amount in**

- A grams of product
- B litres of gas
- C moles of each reactant
- D colour change

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8

Percent yield below 100 percent can result from

A product lost during transfer

B creation of mass

C extra reactant made

D faster heating only

Understand It with Pulse | Flag a mistake

9

Random error in a titration is reduced by

A using one titre only

B repeating and averaging titres

C estimating once

D ignoring outliers silently

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10 **The equivalence point of a titration is where reactants have reacted in**

A equal masses

B equal volumes always

C equal colours

D stoichiometric proportion

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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