

# WAEC Chemistry Practical Premium Exam Pack (2026/2027)

This premium pack includes real WAEC-style practical questions, titration tables, qualitative analysis guides, and examiner tips to help you score high in your Chemistry Practical exam.

## SECTION A: TITRATION (Exam-Focused)

**Q1.** Perform a titration experiment and calculate the concentration of solution A.

**Answer:** Record initial and final burette readings, calculate titre, average concordant values, and apply formula:  $C_aV_a = C_bV_b$ .

**Q2.** Perform a titration experiment and calculate the concentration of solution A.

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**Q3.** Perform a titration experiment and calculate the concentration of solution A.

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**Q4.** Perform a titration experiment and calculate the concentration of solution A.

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**Q5.** Perform a titration experiment and calculate the concentration of solution A.

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**Q6.** Perform a titration experiment and calculate the concentration of solution A.

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**Q9.** Perform a titration experiment and calculate the concentration of solution A.

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**Q10.** Perform a titration experiment and calculate the concentration of solution A.

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**Q11.** Perform a titration experiment and calculate the concentration of solution A.

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**Q12.** Perform a titration experiment and calculate the concentration of solution A.

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**Q13.** Perform a titration experiment and calculate the concentration of solution A.

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**Q14.** Perform a titration experiment and calculate the concentration of solution A.

**Answer:** Record initial and final burette readings, calculate titre, average concordant values, and apply formula:  $C_aV_a = C_bV_b$ .

**Q15.** Perform a titration experiment and calculate the concentration of solution A.

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## SECTION B: QUALITATIVE ANALYSIS

**Q16.** Identify the ion present using standard laboratory tests.

**Answer:** Use appropriate reagents (NaOH, NH<sub>3</sub>, HCl), observe color change/precipitate, and confirm ion identity.

**Q17.** Identify the ion present using standard laboratory tests.

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**Q18.** Identify the ion present using standard laboratory tests.

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**Q19.** Identify the ion present using standard laboratory tests.

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**Q20.** Identify the ion present using standard laboratory tests.

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**Q21.** Identify the ion present using standard laboratory tests.

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**Q25.** Identify the ion present using standard laboratory tests.

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**Q32.** Identify the ion present using standard laboratory tests.

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**Q33.** Identify the ion present using standard laboratory tests.

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**Q34.** Identify the ion present using standard laboratory tests.

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**Q35.** Identify the ion present using standard laboratory tests.

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## **SECTION C: GAS TESTS & OBSERVATIONS**

**Q36.** Test for Hydrogen gas.

**Answer:** Pop sound.

**Q37.** Test for Oxygen gas.

**Answer:** Relights glowing splint.

**Q38.** Test for Carbon dioxide gas.

**Answer:** Turns limewater milky.

**Q39.** Test for Ammonia gas.

**Answer:** Turns red litmus blue.

## SECTION D: LAB THEORY & SAFETY

**Q40.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q41.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q42.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q43.** State a laboratory rule or concept.

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**Q44.** State a laboratory rule or concept.

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**Q45.** State a laboratory rule or concept.

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**Q46.** State a laboratory rule or concept.

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**Q47.** State a laboratory rule or concept.

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**Q48.** State a laboratory rule or concept.

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**Q49.** State a laboratory rule or concept.

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**Q50.** State a laboratory rule or concept.

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**Q51.** State a laboratory rule or concept.

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**Q52.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q53.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q54.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q55.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q56.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q57.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q58.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q59.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

**Q60.** State a laboratory rule or concept.

**Answer:** Follow safety procedures, use correct apparatus, and ensure accurate measurement and observation.

## **EXAMINER'S SECRET TIPS**

- Always record correct units - Show complete calculations - Write clear observations - Avoid guessing results - Practice real WAEC past questions