

DOYEN PUBLISHERS

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT



END TERM I 2025 JOINT EXAM

GRADE 9 – INTEGRATED SCIENCE 905/2

(Paper 2: Practical)

Time: 1 hour 30 mins

NAME: _____

SCHOOL: _____

STREAM: _____ DATE: _____

INSTRUCTIONS

- Write your name, school, stream and date in the spaces provided above.
- This paper consists of **two** questions: **1** and **2**.
- Answer **BOTH** questions in the spaces provided on this QUESTION PAPER.
- Do **NOT** remove any page from this question paper.
- All answers **MUST** be given as per the guidelines of each question.
- Answer the questions in English.

LEARNER'S SCORE

SCORES		TOTAL
1 (Out of 20)		
2 (Out of 10)		

This paper consists of 4 printed pages. Candidates should check the question paper to confirm that all pages are printed as indicated and that no questions are missing.

QUESTION ONE

You have been provided with:

- i. A beaker
- ii. Tripod stand
- iii. Source of heat
- iv. Stop watch
- v. Solution X

Use the procedure below to carry out the experiment.

- a) Pour solution X in a beaker.
- b) Put it on a tripod stand and turn on the source of heat.
- c) Immediately start the stopwatch.
- d) Heat until all the liquid has evaporated.
- e) Observe and record the time when the following occurs.

(6 marks)

	Crystals begin to form	Crystals are halfway formed	All the liquid has evaporated
Time (Minutes)			

- f) Explain what happens when the liquid starts to evaporate.

(4 marks)

- g) The method of separation above is _____ . (2 marks)

- h) The crystals that form on the beaker are most likely to be those of _____ . (2 marks)

- i) What conclusions can we make about liquid X? (2 marks)

j) Apart from the one illustrated above, name any other **four** methods of separation that you know. (4 marks)

QUESTION TWO

You are provided with the following:

- i. A detergent
- ii. A bottle top
- iii. Mixing containers
- iv. Liquid Y
- v. Liquid Z

Use the procedure below to carry out the experiment.

- a) Pour liquid Y in the mixing container.
- b) Add a bottle top of a detergent and mix well using your hand until a white substance is formed.
- c) What happens when you mix Liquid Y with the detergent? (2 marks)

- d) Pour liquid Z in the mixing container.
- e) Add a bottle top of a detergent and mix well using your hand until a white substance is formed.

f) What happens when you mix Liquid Z with the detergent? (2 marks)

g) From the experiment above, what can we conclude? (2 marks)

h) Liquid Y is _____ water while liquid Z is _____ water. (2 marks)

i) State **two** advantages of using liquid Z over liquid Y. (2 marks)

THIS IS THE LAST PRINTED PAGE