# **DOYEN PUBLISHERS**

# KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT MID-TERM II 2025 EXAM GRADE 9 – INTEGRATED SCIENCE 905/2

(Paper 2: Practical)

		Time: 1 hour 30 mins
NAME:		
SCHOOL:		
STREAM:	DATE:	

#### INSTRUCTIONS

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

#### LEARNER'S SCORE

SCORES	TOTAL
1 00	Mr.
(Out of 20)	
(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.

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### **DOYEN PUBLISHERS || 0780802443**

Ų١	UESTI	ON ONE			
Yo	u have	been prov	rided with:		
	i.	Rod A			
	ii.	Rod B			
	iii.	Rod C			
	iv.	Source of	of heat		
	v.	Wax			
	vi.	Small pi	ns		
	vii.	Stopwat	ch		
	viii.	Tongs/pl	liers	UBLISH	
Us	se the p	rocedure	below to carry out the practical:		
a)	Hold 1	rod A at th	e middle using a pair of tongs/pliers		
b)	Stick	a small pi	ece of wax and a pin to one end of the	od.	
c)	Heat t	he other e	nd of rod A near the source of heat for	1 minute.	
d)	Obser	ve what h	appens and record it in the table below		
e)	Repea	t the proc	edure for rods B and C.	2023	
f)	Recor	d your obs	servations in the table below.		(12 marks)
		- 11/			
	Mate	erial	Observation	Conclusion	
	Rod	A		///.~//	
	Rod	В		- CV	
	Rod	C		EN /	
			A COL	MME.	
g)	Which	n material	conducted heat the fastest?	11.	(1 mark)
	, <u>, , , , , , , , , , , , , , , , , , </u>				
h)	Which	n material	is most likely to be:		(3 marks)
	Iron –				
	Wood			<del></del>	
	Plastic	c –			
i)	Name	any other	<b>two</b> materials that can be used in place	e of Rod B.	(2 marks)
		7.	the materials that can be asea in place	0.1.00	
			L'avenir comme		Page <b>2</b> of <b>4</b>

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)	What is a good conductor of heat?	(2 marks)
	OVEN PUBLIS	
QI	JESTION ONE	
Yo	u have been provided with:	
Ma	iterials:	
	i. Beaker	
	ii. Water EST 2023	
	iii. Solid Y	
	iv. Spoon	
	v. White paper	
Us	e the procedure below to carry out the practical:	
a)	Fill the beaker with water.	
b)	Place the white paper on the table and place the filled beaker on it. Let it settle for one minute.	
c)	Gently drop a small amount of Solid Y into the water without stirring.	
d)	Watch what happens over the next few minutes.	
e)	Record your observations.	(3 marks)

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f)	What was the purpose of the white paper below the beaker?	(1 mark)
-)		(1)
g)	Why was the filled beaker left to settle?	(1 mark)
h)	What can you conclude from the practical above?	(1 mark)
i)	What is diffusion?	(2 marks)
	EST 2023	
j)	Would the color spread faster in hot water or cold water? Why?	(2 marks)
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