DOYEN

KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT TERM 1 2025 OPENER EXAM GRADE 9 – INTEGRATED SCIENCE

		Time: 2 nours
NAME:		
SCHOOL:		
STREAM:	DATE:	

INSTRUCTIONS

- a) Write your name, school, stream and date in the spaces provided above.
- b) Answer all questions in this booklet.
- c) All answers must be given as per the guidelines of the questions.
- d) All answers **must** be written in this booklet.

ASSESSMENT RUBRIC

RANGE (%)	LEVEL
80 - 100	Exceeding expectation
60 - 79	Meeting expectation
40 - 59	Approaching expectation
0 - 39	Below expectation

LEARNER'S SCORE

Out	of 50
Score	
%	

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.

1.	Differentiate between an el	ement and a compound.	(2 marks)
2.	Give the symbols for the formula a) Iron	llowing elements of the periodic table.	(3 marks)
3.		of Fluorine is 2.7. It also has 9 protons and 10 ne	eutrons in its nucleus. Calculate (2 marks)
4.	Give one function of each of	f the following types of teeth. b) c)	(3 marks)
5.	a) Small particles of sand	tion that can be used to separated: From water xture of common salt and ammonium nitrate	(2 marks)
6.		pasic quantity units and their SI units. Fill it in action in the state of the stat	ecurately. (4 marks)
7.		re necessary when handling a microscope.	(2 marks)
8.	Write two examples of vita	mins.	(2 marks)

9.	Name any two substances that undergo temporary chemical changes.	(2 marks)
10.	. List two applications of the changes of states of matter in day-to-day life.	(2 marks)
11.	a) Name the following laboratory apparatus.	(4 marks)
12.	Differentiate between fertilization and implantation.	(2 marks)
13.	. List any three functions of the skin.	(3 marks)
14.	Grade 9 learners at Nabwani Junior School set up the experiment below to determine the boiling water. Study it and answer the questions that follow. Thermometers Boils at 100.5°C Liquid A Apparatus C	point of

a) Which liquid is likely to be distilled water?

(1 mark)

b) Which liquid is liked to be dirty water?

(1 mark)

C)	Name the apparatus marked C.	(1 mark)
d)	State any two effects of impurities on water.	(2 marks
5. Sta	ate any two dangers associated with fire.	(2 marks
6. Di	fferentiate between osmosis and diffusion.	(2 marks
— 7. Stı	ady the diagram below and answer the questions that follow. Uterine fundus	
Ov	Fimbriae Cervical canal D E	
	Parian ligament Fimbriae A Cervical canal D E Name the parts labeled: A -	(2 marks)
	Fimbriae A Cervical canal D E Name the parts labeled: A –	(2 marks)
a)	Parian ligament Fimbriae A Cervical canal D E Name the parts labeled: A - B -	

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