

KENYA CERTIFICATE OF BASIC EDUCATION (K.C.B.E)

GRADE 10

BIOLOGY

TERM 1

FEBRUARY 2026



PATHWAY: S.T.E.M

Time: 1 Hour 30 Minutes

COMPETENCE ASSESSMENT EXAMINATION CKEAB 002

LEARNER'S DETAILS

Name: _____

School: _____

Assessment Number: _____ Date: _____

School Code: _____ Signature: _____

INSTRUCTIONS TO LEARNERS

1. Write your name, assessment number, class and date on all the answer sheets provided.
2. Answer all the questions in the spaces provided.
3. Use a blue or black pen for writing. Pencils should be used only for drawings and diagrams.
4. Make your drawings neat, clear, and large, and label them correctly using ruled lines.
5. Section A requires short answers – be brief and precise.
6. Section B requires longer explanations and reasoning – write clearly and in detail.

SCORE GRID

ITEM	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	TOTAL	SECTION	SCORE
Number	1	2	3	4	5	6	7	8	9	—	A: THEORY	70
Question Marks	10	10	6	8	8	8	8	6	6	70	B: PRACTICAL	30
Learner's Score												
Performance Level												

Performance Levels Grid

Level	Level	% Range	Points	Learner's score
Exceeding (EE)	EE1	90–100%	8	
	EE2	75–89%	7	
Meeting (ME)	ME1	58–74%	6	
	ME2	41–57%	5	
Approaching (AE)	AE1	31–40%	4	
	AE2	21–30%	3	
Below (BE)	BE1	11–20%	2	
	BE2	1–10%	1	

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Turn over

-Biology-

-002-

-Senior School-

SECTION A: THEORY (70 Marks)

Answer all questions in this section.

1. A community near Lake Victoria is experiencing an increase in water-borne diseases, crop failure due to pests, and poor waste management.

a) Define **Biology**. (2 marks)

b) Match the branch of Biology in **Column A** with its correct description in **Column B**. (3 marks)

Column A

Column B

- | | |
|-------------------|--|
| i. Botany | Study of microorganisms such as bacteria and fungi |
| ii. Zoology | Study of plants |
| iii. Microbiology | Study of animals |

b) Using the situation above, explain **THREE** ways Biology can be applied to solve the problems faced by the community. (3 marks)

i) _____

ii) _____

iii) _____



c) State **TWO** reasons why learning Biology is important to learners in everyday life. (2 marks)

i) _____

ii) _____

2. A career guidance teacher asks learners to research different fields of Biology and link them to possible careers.

a) Complete the table below: (8 marks)

Field of Biology	Area of Study	One Related Career
Botany		
Zoology		
Microbiology		
Biotechnology		

