

THE UNITED REPUBLIC OF TANZANIA
PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT



KIGOMA REGION
FORM FOUR MOCK EXAMINATION JULY 2025

033/2

BIOLOGY 2A
(For Both School and Private Candidates)

Time: 2:30 Hours

THURSDAY, 17TH JULY, 2025

10:00 A.M

INSTRUCTIONS

- This paper consists of two questions
- Answer ALL questions
- All writing should be in blue or black pen, except for diagrams that must be drawn in pencil
- Communication devices and any unauthorised materials are NOT allowed in the examination room
- Write your examination number on every page of your answer booklet(s)

1. You have provided with the following materials namely stop watch, beaker, hot water, fresh leaf and forceps. Then perform the following activities and answer questions that follow.

a) Take fresh leaf given and place it in a beaker with hot water.

b) Make observation for five minutes.

QUESTIONS

i) Which side of the leaf produces many bubbles?

ii) What caused the formation of bubbles?

iii) Draw internal structure of the leaf

iv) What conclusion can you make to the above experiment?

v) Write down three importance's of gaseous exchange in plants.

vi) Outline factors affecting the rate of gaseous exchange in plant

2. Carefully observe the specimen given and then answer the following questions

a). Identify the organisms by using their common name

b). Name the natural habitat of specimen, M3 and M4

c). State the economic importance's of specimen M4 to organisms found in it's habitats

d) . Explain at least three general characteristics of the phylum in which specimens M2, M3, and M4 are found

e). Name the class in which each of the specimens M1, M2, M3 and M4 belongs

f). Mention only two distinctive features of the class which specimen M3 belongs