

“Do your best, not to be better than anyone but to be the best version of yourself”



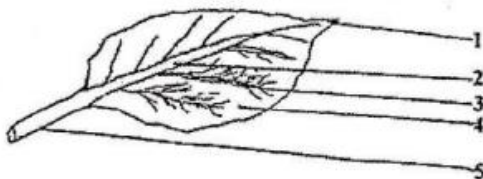
REPUBLIC OF RWANDA
MINEDUC
WESTERN PROVINCE
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BIOLOGY 1st TERM (2023-2024) HOLIDAY PACKAGE FOR S1

- Q1. a.** What is the difference between a unicellular and a multicellular organism?
b. Give one example of unicellular organism and one example of multicellular organisms.
- Q2.** The diagram below shows the structures of a leaf



- a.** Identify the parts labeled 1,2,3,4 and 5
b. What are the functions of parts labeled 4 and 5?
c. State the two ways in which the external structure of the leaf is modified to perform its function.
- Q3. (a)** List four resources that humans get from plants.
(b) Find out what the word ‘diversity’ means, and then explain it in your own words.
(c) Which group of organisms is the greatest source of medicines?
(d) Name any two plants and two animals that are used in Rwanda as food for humans.
- Q4. (a)** List two differences between a hand lens and a microscope.
(b) Give advantages of using a hand lens and advantages of using a microscope for magnifying specimens.
- Q5. a)** Make a labelled drawing to show the structure of a flower.
b) Differentiate two types of root systems.
- Q5. a)** What is laboratory
b) state at least 4 safety rules that you must follow when you are in laboratory.
- Q6. (a)** Define the term “classification”
(b) i) Explain the types of classification?
ii) state the importance of classification
- c) i)** Discuss the rules that govern the binomial nomenclature system used to name organisms
ii) Identify and correct the mistakes that were made when writing the following scientific names
- *MUSCA domestica* (House fly)
 - *Manihot Esculenta* (Cassava)
 - *mangifera Indica* (Mango)
 - *ovis aries* (Sheep)
- Q7.** Find out about biodiversity in Rwanda by researching the following:
- indigenous plants and animals in Rwanda
 - the names of some endangered species in Rwanda
 - the importance of conservation in Rwanda.
- Q8.** What type of plant structure is each of the following?
a) an onion b) ginger c) cassava
- Q9.** Research the growing of plants using hydroponics. Find out how this practice works, and explore its advantages and disadvantages
- Q10.a)** What makes a potato a stem and not a root?
b) Explain why potatoes, sweet potatoes and carrots are called tubers.
c) Give two functions that different types of modified stems can carry out.
- Q11.** Use the library or the Internet to find out about the structure and the functions of each of the following cell organelles: *nucleus*, *mitochondrion*, *ribosome*, *Golgi body*, *endoplasmic reticulum*, *lysosome* and *chloroplast*
- Q12.** Explain each of these terms:
a) permeable c) enzymes b) hereditary d) photosynthesis

Examiner: Teacher M. Gentil Theophile
Moderator: Teacher U. Jean Paul

“Don’t wish it was easy, wish you were better”