

MAKUENI BOYS HIGH SCHOOL
APRIL HOLIDAY ASSIGNMENT-2021
BIOLOGY FORM 1

1. a) What is meant by the term wilting? (1mk)
b) Explain how an increase in temperature affects the rate of active transport (2mks)
2. Why is the palisade layer a tissue (1mk)
3. Describe how turgor pressure builds up (3mks)
4. State two characteristics of living organisms that are specific plants (2mks)
5. State two ways in which osmosis is significant to plants (2mks)
6. How do the following factors affect the rate of diffusion
- i) Diffusion gradient (1mk)
ii) Surface area to volume ratio (1mk)
iii) Temperature (1mk)
7. How would nutrition as a characteristic of living organism differ in plants and animals (2mks)
8. State one use for each of the following apparatus in the study of living organisms (2mks)
- a) pooter
b) Pit fall trap
9. The equation below represent a process that takes place in plants
- $$6\text{CO}_2 + 6\text{H}_2\text{O} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$$
- a) Name the process (1mk)
b) State two conditions necessary for the process to take place (1mk)
c) What happens to the end of the process (5mks)