

Confidential

Biology 231/3

Form four Joint evaluation exam-2017

REQUIREMENTS:

1. 20ml of solution labeled L. (Dissolved starch and glucose)
2. 4 test tubes.
3. Test tube rack.
4. Test tube holder.
5. 1% Copper sulphate solution.
6. 5% Sodium hydroxide solution.
7. Iodine solution.
8. D.C.P.I.P (3ml)
9. Benedict's solution.
10. Source of heat.
11. 20ml distilled water in a 50ml beaker labeled X
12. 20ml saturated sodium chloride solution in a 50ml beaker labeled Y.
13. Forceps.
14. Pieces of tissue paper.
15. Means of timing.
16. Two(2) pieces of plant material obtained from a petiole of kales (Sukuma wiki) labeled Z. Each piece should be 3cm long.
17. Scalpel
 - a. NB: All reagents be provided with a dropper.
 - b. -The photograph in question 3 must be coloured.