

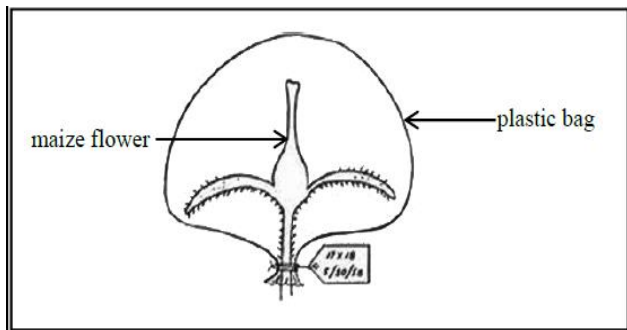
Worksheet 2

Question 1

- (a) Explain the relationship between soil acidity and the availability of phosphorous for plant absorption (2 marks)
- (b) Differentiate between permanent wilting point and available water in relation to a plant. (2 marks)
- (c) Describe one way in which a farmer can reduce the acidity of the farm soil. (2 mark)
- (d) State one important factor to consider when taking a soil sample. (1 mark)
- (e) State one function of capillary water. (1 mark)
- (f) Explain one disadvantage of genetically modified organisms. (2 marks)

Question 2

- (a) The diagram below shows a procedure that is undertaken after cross pollination in maize.



- i. State the purpose of the procedure shown above. (1 mark)
- (b) State one advantage of out breeding in a herd. (1 mark)
- (c) State one disadvantage of artificial insemination. (1 mark)
- (d) Explain one reason why alley tree crops are pruned. (2 marks)
- (e) Describe how water causes erosion. (2 marks)
- (f) State one method of controlling soil erosion. (1 mark)
- (g) Explain one advantage of diversification. (2 marks)

THE END

