1. **You have been provided with solution N.**

(a) Using the chemicals and reagents provided, carry out food test to identify the food substances present in solution N. Tabulate your work as shown:

Food Tested	Procedure	Observation	Inference

(b) For the food substances identified in 1(a).
(i) Name at least two sources for each food substance.
(ii) Name the food substances which play a vital role in children growth.
(iii) Mention the disease which could develop to a child whose diet misses the food substance named in (b) (ii).
(iv) State five symptoms of the condition that will happen to the child in (b) (iii).

2. (a) Observe specimens M_1, M_2, M_3 and M_4 then:
(i) Identify specimens M_1, M_2, M_3 and M_4 by their common names.
(ii) Use the scalpel provided to cut specimen M_1 longitudinally into two equal halves. Then, draw a well labeled diagram of one half of a cut section.
(iii) State one function of each part you have labeled in a diagram above.
(iv) State two advantages of specimen M_1.

(b) Study specimen M_2 and M_3 carefully, then answer the following questions based on the observable structures.
(i) How do the two specimens differ?
(ii) How similar are the two specimens?

(c) (i) Name the Class in which specimen M_4 belongs. Give two reasons to support your answer.
(ii) State one disadvantage of specimen M_4.