

1. You have been provided with solution A which contains various food substances.

(a) Use the chemicals and reagents provided to identify the food substances present in solution A. Tabulate your work as shown in the following Table:

Food Tested	Procedure	Observations	Inference

(b) State the function of each food substance identified in 1(a).

(c) To each food substance identified 1(a), name at least two sources in which it has been extracted.

(d) One of the food substances identified in 1(a) is very important for child development.

(i) Mention one disease which can develop when the diet provided to a child lacks that food substance.

(ii) State the symptoms of a disease mentioned in (d)(i).

2. You have been provided with specimens **B₁**, **B₂** and **B₃**.

(a) Using a hand lens, study the specimens carefully and;

(i) Identify each specimen by its common name.

(ii) Name the Kingdom and Phylum/Division in which each specimen **B₁**, **B₂** and **B₃** belongs.

(iii) State four advantages of specimen **B₃**.

(iv) Draw a well labeled diagram of specimen **B₃**.

(b) Study carefully specimen **B₁** and **B₂** then:

(i) State four observable differences between **B₁** and **B₂**.

(ii) State the habitats of specimen **B₁**, **B₂** and **B₃**.