

1. ANSWERS

- (i) To test the presence of starch in a given food substance **(3marks)**.
(ii) The food substance (specimen L) change to blue black/dark blue. **(3marks)**
(iii) Starch was present. **(2marks)**
(iv) Cassava/sweet potato/coco yams/yams/banana/rice/maize **(any 2 sources @01mark =02marks)**.
(v) Source of energy in the body **(2marks)**
(vi) Mouth, duodenum, ileum. **(2marks@=6marks)**
(vii) Liver and muscles **(2marks@=4marks)**
(viii) Excess glucose is converted to glycogen**(3marks)**

2. (a) Answers

(i)

Specimen	Common name
K1	Mushroom
K2	Tilapia fish
K3	Earthworm
K4	Grasshopper

(@1mark)= 4marks)

(ii) Answer

Specimen	Kingdom	Phylum/division	Class
K1	Fungi	Basidiomycota	Agaricomycete
K2	Animalia	Chordata	Osteichthyes
K3	Animalia	Annelida	Oligochaeta

(@0.5marks=4.5marks)

(b)

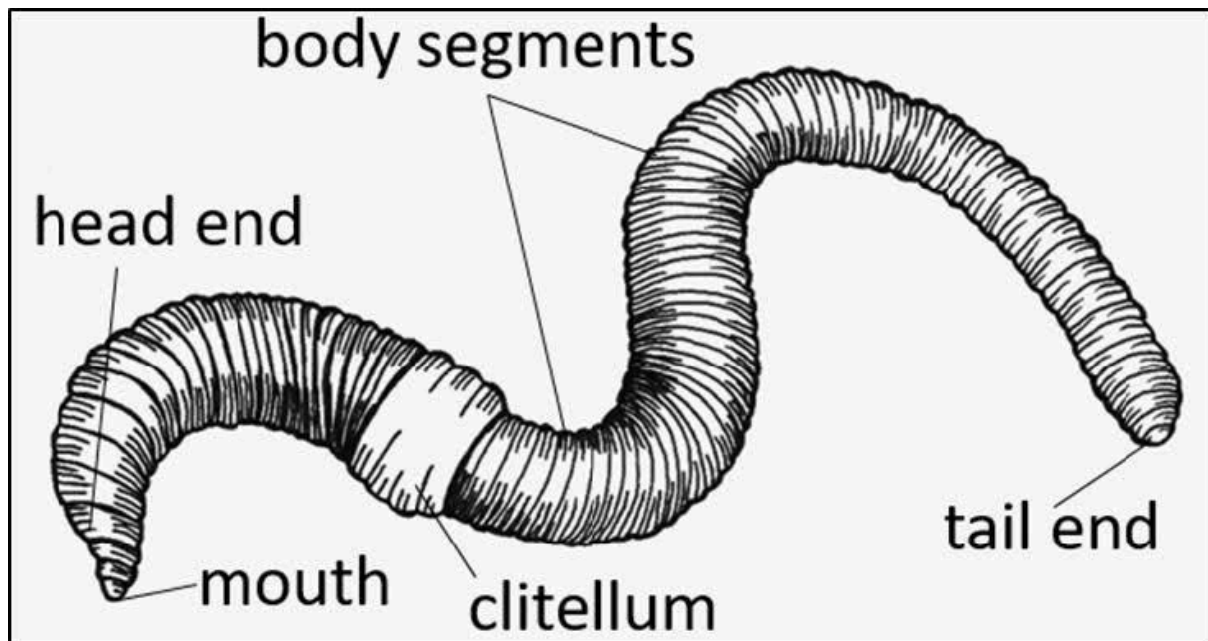


diagram 3marks

neatness 0.5mark

labelling any four parts (4marks)

(ii), the habitat of specimen k3 is moist areas **(1mark)**

(iii) Importance of specimen k3

- ☐ By dragging dead leaves into the soil through burrowing increase the organic matter in the soil.
- ☐ Earthworms mix soil from different layers together which help to disperse organic matter.
- ☐ Earthworms provide food for many other soil organisms.
- ☐ They are used as bait for fishing.
- ☐ They improve soil aeration.

(any three points @1mark=3marks).

(c) Advantages mushroom

- ☐ It is the source of food.
- ☐ It acts as saprophytic
- ☐ Used in biological study. **(2marks)**

(d) -Are used as the food

-They are used to balance ecosystem

-They are used in biological experiment
(@1mark)