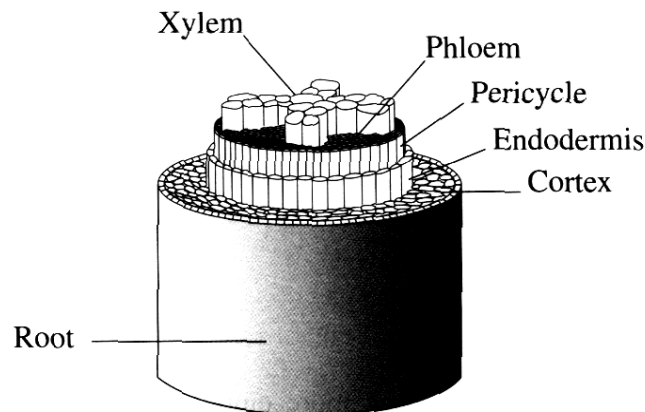


Marks

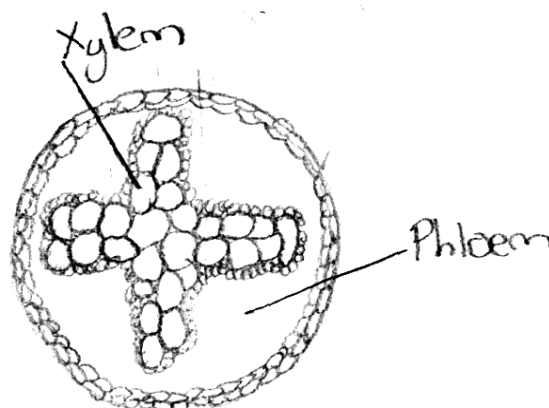
Question 17 (6 marks)

The diagram shows the arrangement of tissues in a young plant root.



- (a) From this diagram, draw a transverse section of the plant root. Clearly label the location of xylem and phloem tissue.

3



- (b) Describe ONE current theory about the processes responsible for the movement of materials through phloem tissue in plants.

3

One current theory about the processes responsible for the movement of materials through phloem tissue in plants is that it moves wastes down through the plant and out of the plant so that the plant can move water in to it.