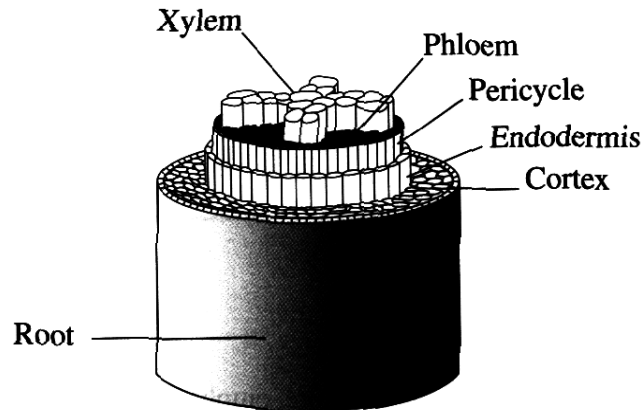


Marks

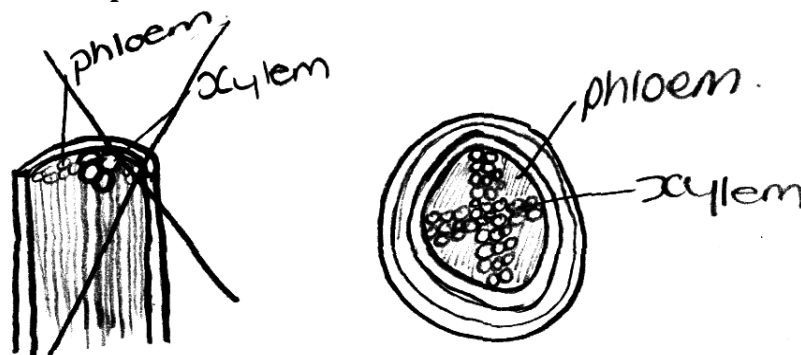
Question 17 (6 marks)

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

Materials are pulled up through phloem tissue by transpiration pull, and also with help from companion cells, and to sieve plates where they ~~cannot get~~ stop during the night.