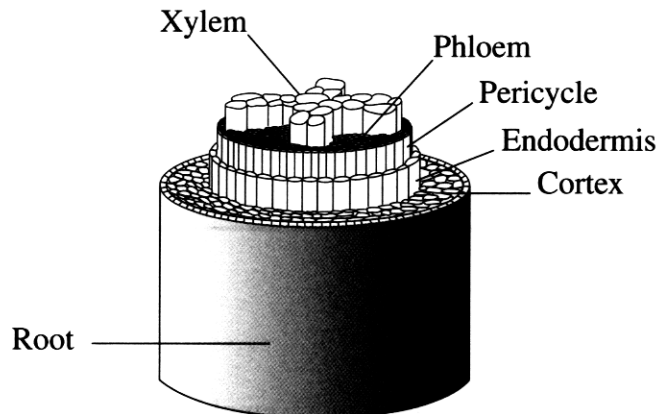


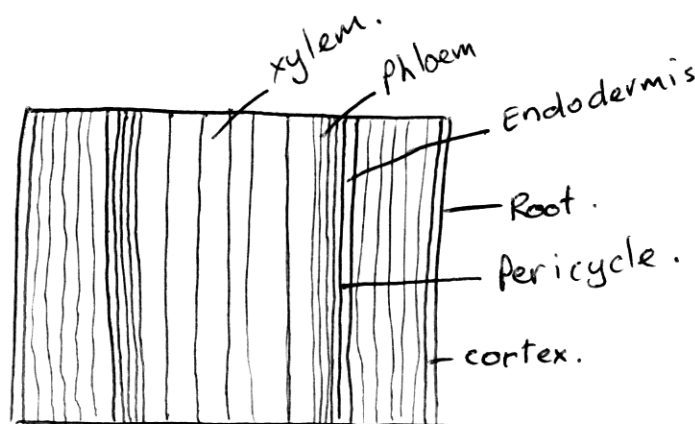
Marks

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

~~Water moves through the phloem by osmosis~~
Materials such as sugar & minerals are moved by gravity up the phloem to the leaves. This along with evaporation causes the movement of these materials.