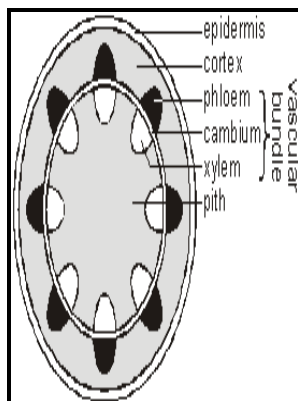


Transport systems in plants

Longman - Transport systems



Description: -

-
Forest ecology.
Arid regions ecology.
Afforestation.
Plant translocation. Transport systems in plants

-
Integrated themes in biology Transport systems in plants

Notes: Bibliography, p161-162. - Includes index.

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Transportation System in Plants

Sulfate locally taken up to the root or systemically transported from the shoot over a long distance can be used for Cys biosynthesis and consequently reduce OAS concentrations, allowing suppression of the OAS responses. In general, the influx of sulfate occurs through active transporters that are capable of taking up sulfate ions present in the apoplastic space.

Transport system in plants worksheet

Sulfate uptake is a dynamic biological process that occurs in multiple cell layers and organs in plants.

Transport system in plants worksheet

It also remains to be investigated how these protein—protein interactions can modulate the mechanisms controlling SULTR1;1 and SULTR1;2 gene expression in A. Transport in biology means carrying substance absorbed or made in the body of an organism to all other parts of its body. When the CSC dissociates, SAT forms an inactive protein aggregate and free OASTL becomes an active enzyme ;.

Plant Transport System

Minerals from soil gets dissolve in water to form an aqueous solution. Besides these partially overlapping functions of high-affinity sulfate transporters, SULTR1;1 and SULTR1;2, depicted based on their conditional expression and kinetic properties, additional membrane transport systems for root sulfate uptake can be postulated, as the sultr1;1 sultr1;2 double mutant remains viable while it shows a severely stunted growth ;. This high pressure produced in phloem tissue moves the food to all other parts of a plant having less pressure.

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