

Transport in plants

Xylem and phloem

Xylem

water and mineral ions support

Phloem

sucrose amino acids

Position

root: centre stem: outer ring leaf: veins

Water uptake

Root hair cell

absorbs water and ions large surface area

Pathway of water

root hair cells root cortex xylem mesophyll

Transpiration

Definition

loss of water vapour from leaves

Factors increasing rate **Supplement**

temperature wind speed