

Xylem and phloem What is the function of xylem?	Xylem and phloem What is the function of phloem?
Xylem and phloem Where are xylem and phloem in a non-woody dicot stem?	Xylem and phloem Where is xylem in a root cross-section?
Xylem and phloem Where are xylem and phloem in a leaf?	Water uptake What is the function of a root hair cell?
Water uptake Supplement Why do root hairs increase uptake?	Water uptake Outline the pathway of water from soil to leaf.

Transports sucrose and amino acids.

Transports water and mineral ions, and supports the plant.

In the centre, often an X shape, with phloem between the arms.

In vascular bundles in a ring near the outside. Xylem is on the inside, phloem on the outside.

Absorbs water and mineral ions from the soil.

In the veins. Xylem is on the upper side, phloem on the lower side.

Root hair cells, root cortex cells, xylem, mesophyll cells.

They give a large surface area for absorbing water and mineral ions.

Transpiration

Define transpiration.

Transpiration **Supplement**

How do temperature and wind speed affect transpiration?

Transpiration **Supplement**

What does a potometer measure?

Higher temperature and more wind both increase the rate of transpiration.

The loss of water vapour from leaves.

Water uptake by a leafy shoot, as the distance an air bubble moves in a set time.