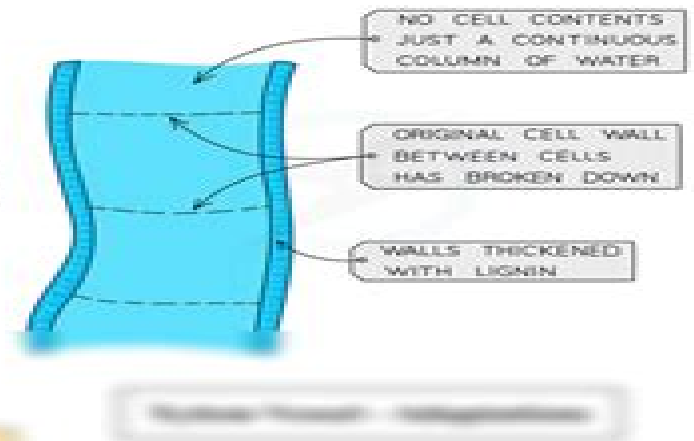
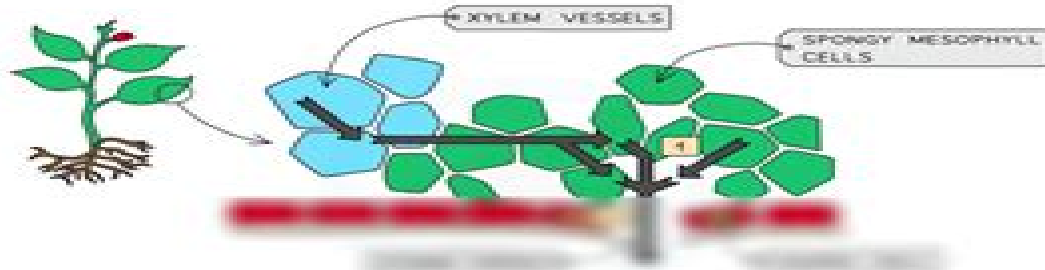


Transpiration

← = MOVEMENT OF WATER



Transpiration Pull

- Transpiration pull is the force that pulls water up the xylem vessels in a plant.
 - 1. The water molecules in the xylem vessels are pulled up by the transpiration pull from the leaves.
 - 2. This creates a negative pressure in the xylem vessels.
- Water molecules are attracted to each other by cohesion, creating a continuous column of water up the plant.

COHESION TENSION THEORY



- Water moves through the xylem vessels in a continuous, unbroken column from roots to leaves in the plant.
- Transpiration creates a negative pressure in the xylem, pulling the water up the plant.
- The water molecules are held together by cohesion forces, creating a continuous column of water up the plant.
- At the top of the xylem vessels, the water molecules are pulled up the plant by the transpiration pull.

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Y Pai



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