TRACHEARY ELEMENT VESSEL MEMBER

KNOWN VARIOUS VASCULAR PLANTS

END WALL LESS TAPPERED

TRACHEARY ELEMENT VESSEL MEMBER

TRACHEARY ELEMENT VESSEL MEMBER



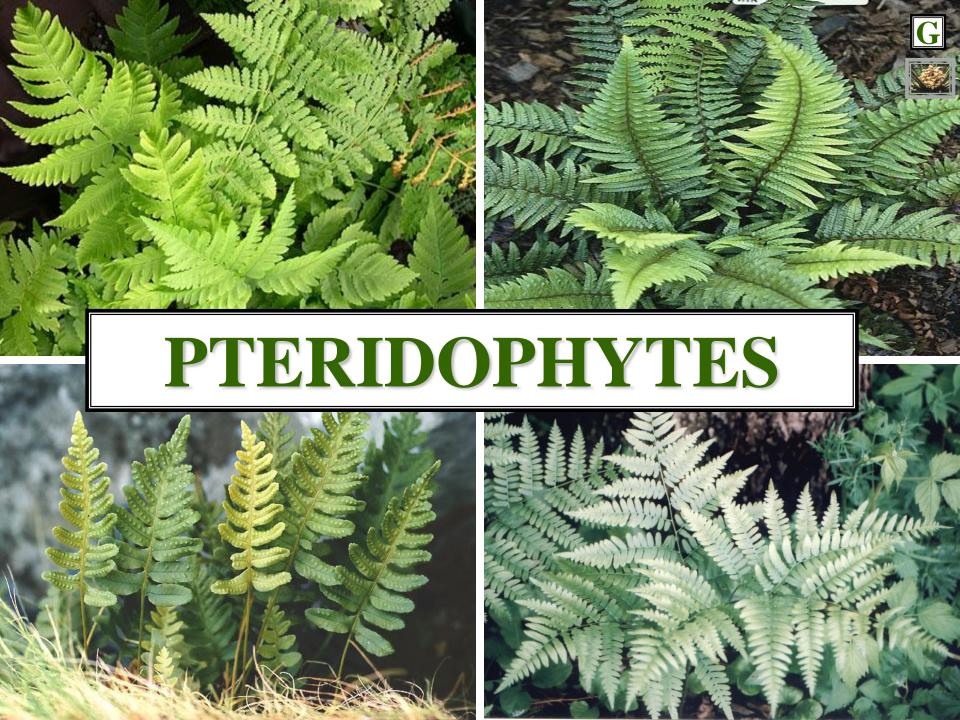
KNOWN VARIOUS VASCULAR PLANTS

END WALL LESS TAPPERED

END WALL WITH PERFORATED PLATE

TRACHEARY ELEMENT VESSEL MEMBER

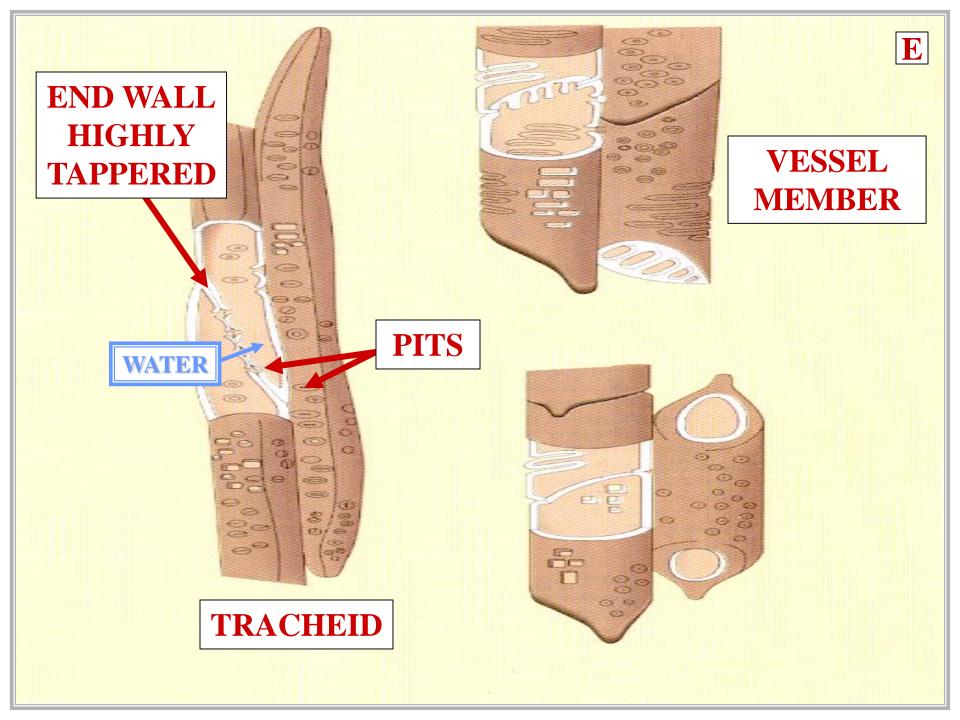


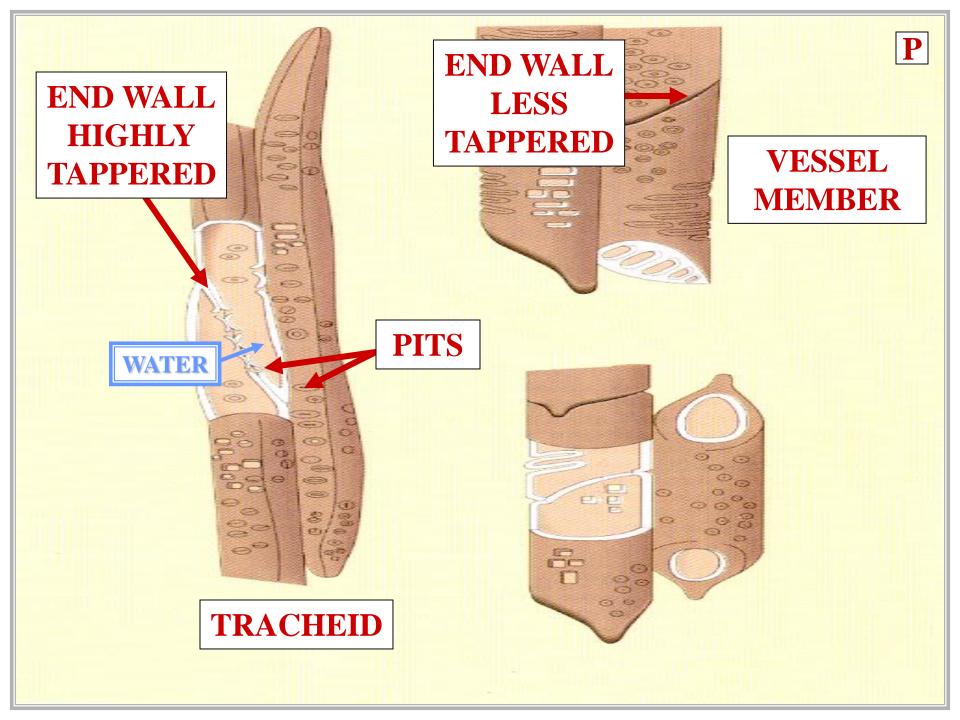


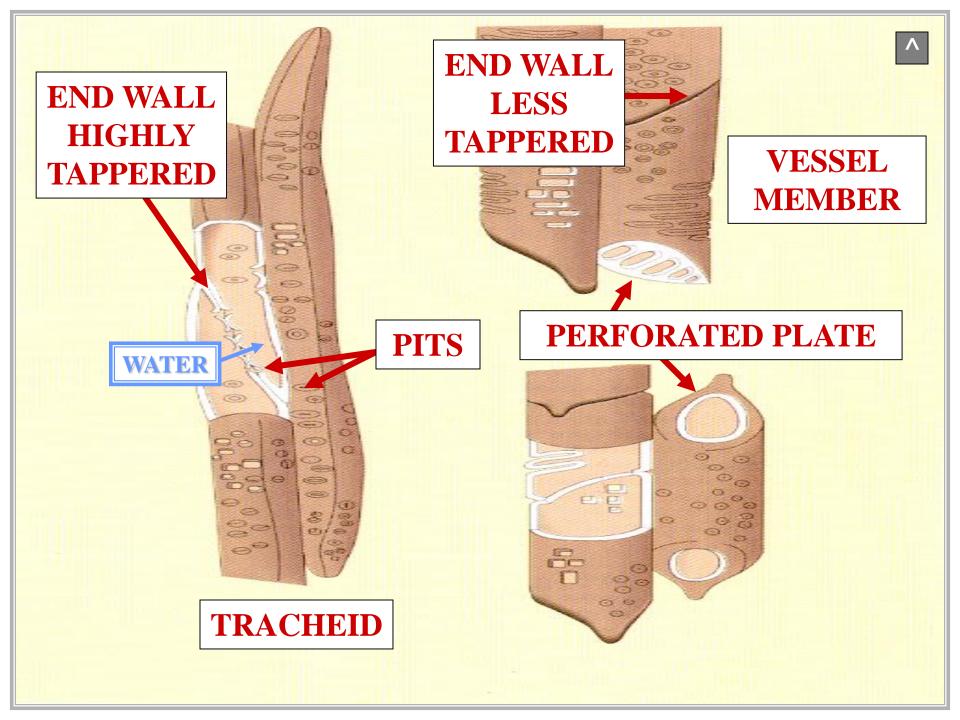












PERFORATED PLATE TYPES

PERFORATED PLATE TYPES

SCALARIFORM PERFORATED PLATE

PERFORATED PLATE TYPES

<u>S</u>

SCALARIFORM PERFORATED PLATE SIMPLE PERFORATED PLATE

PERFORATED PLATE TYPES

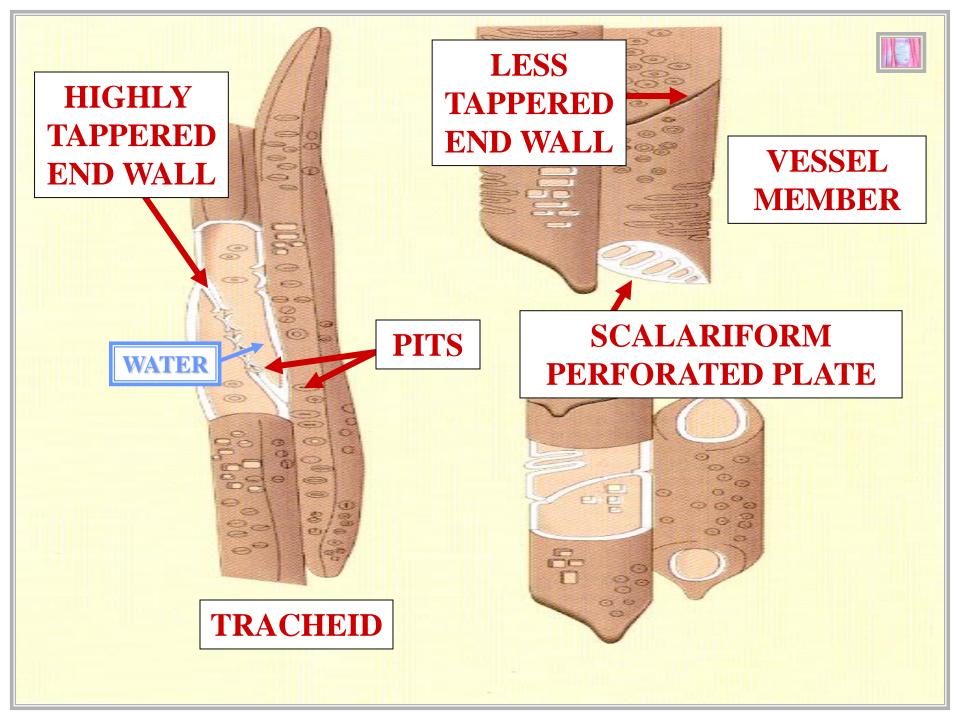
SCALARIFORM PERFORATED PLATE

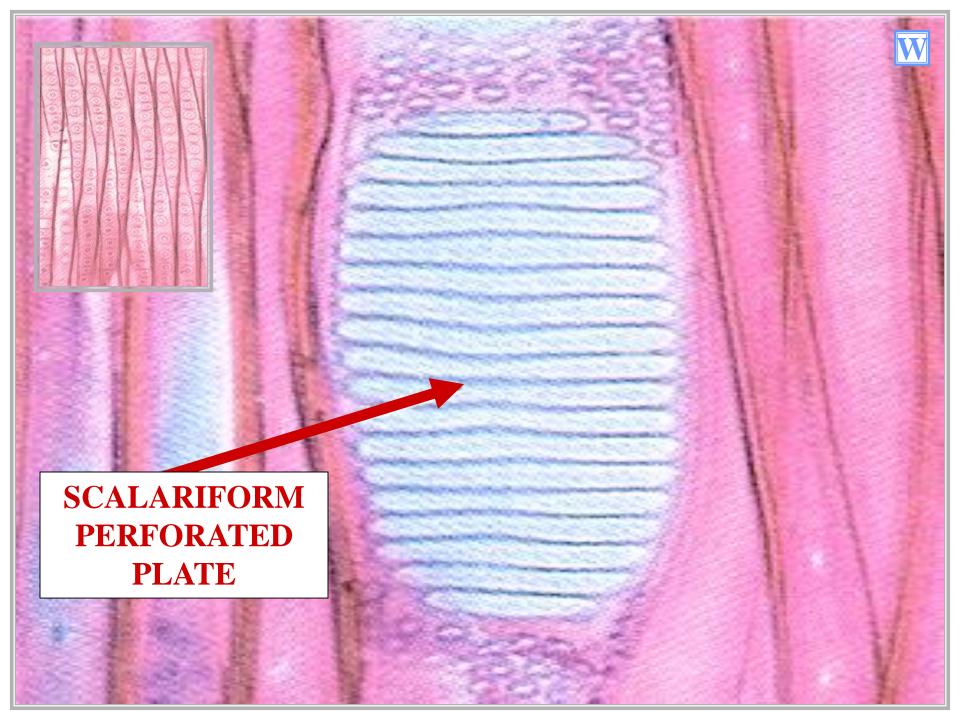


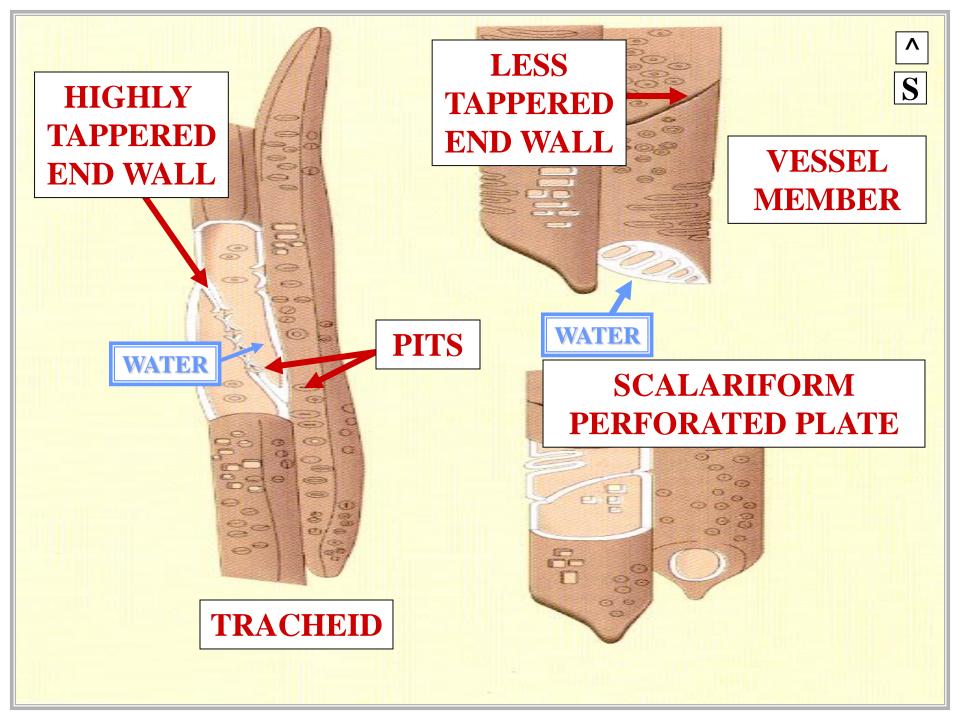
PERFORATED PLATE SCALARIFORM

LADDER-LIKE

PERFORATED PLATE SCALARIFORM







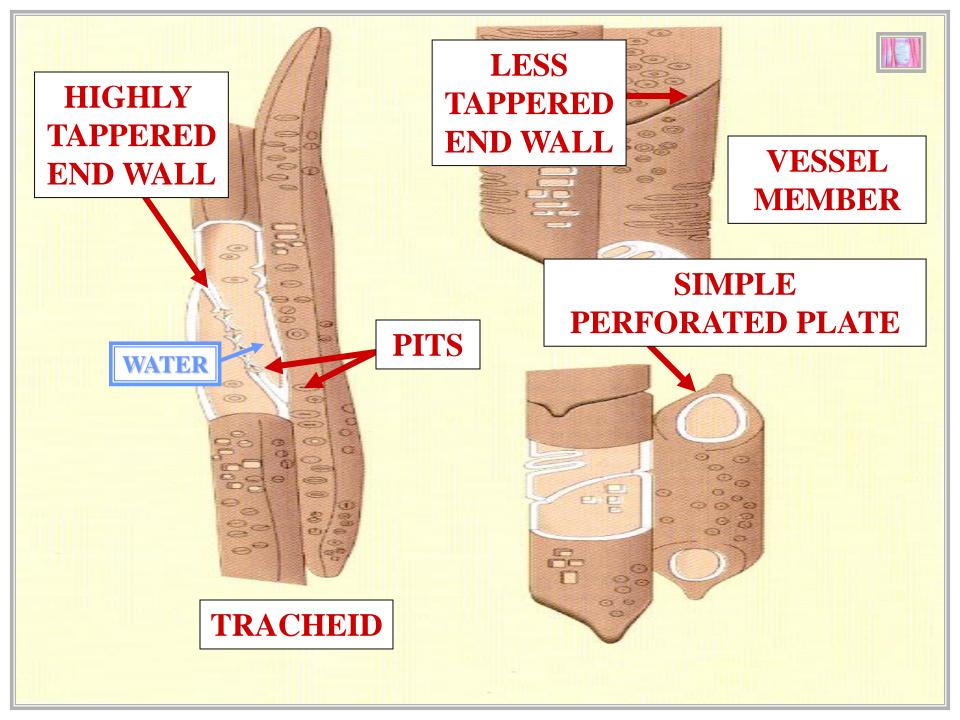
SIMPLE PERFORATED PLATE

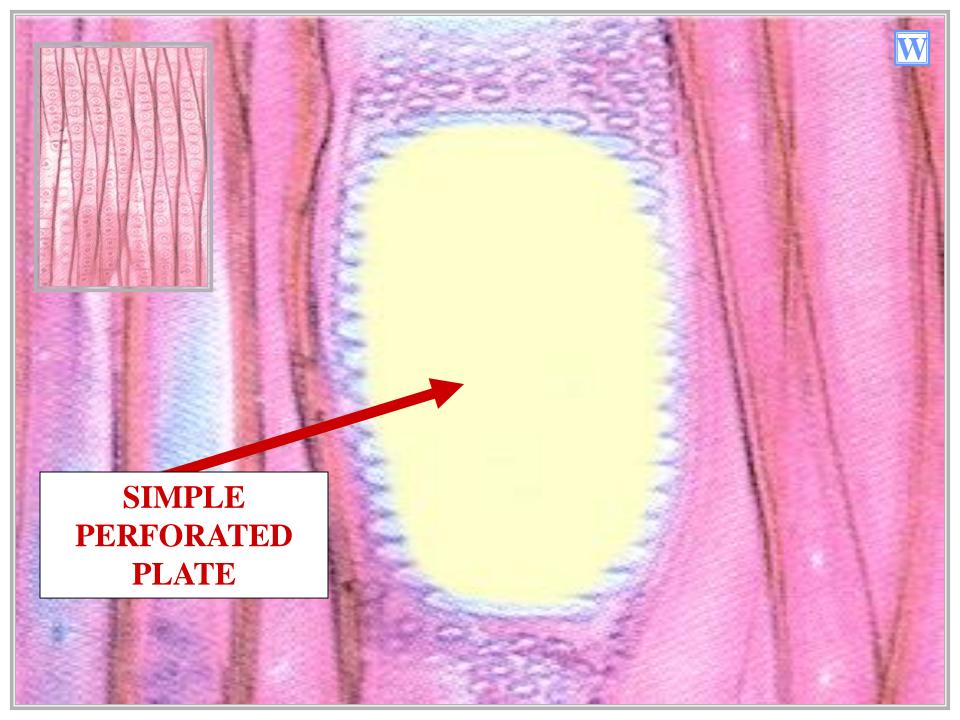
PERFORATED PLATE SIMPLE

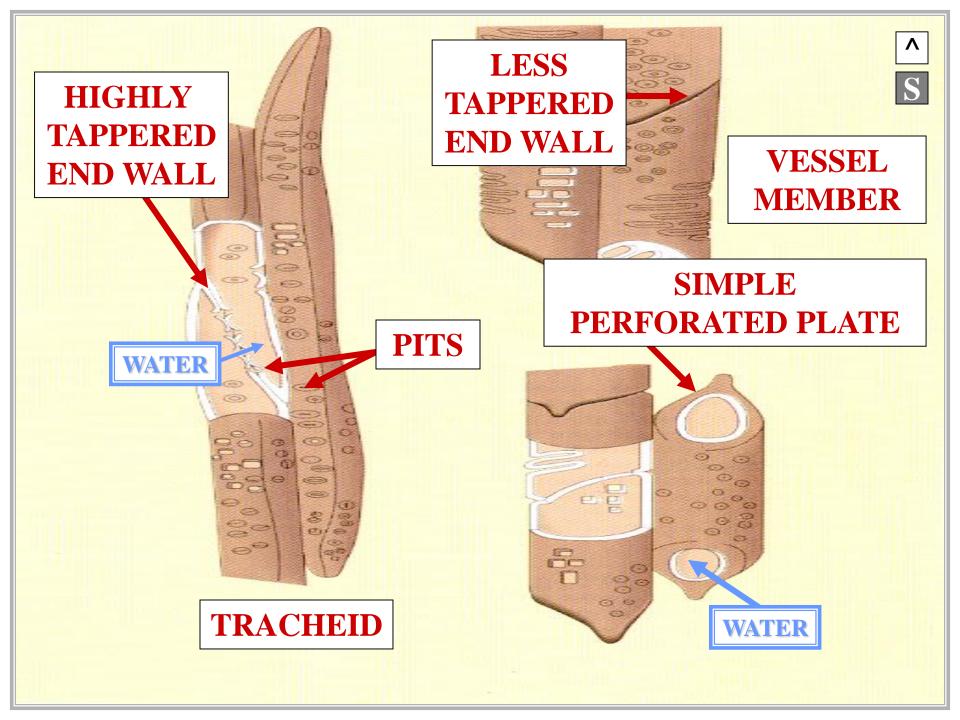


LARGE PERFORATION

PERFORATED PLATE SIMPLE

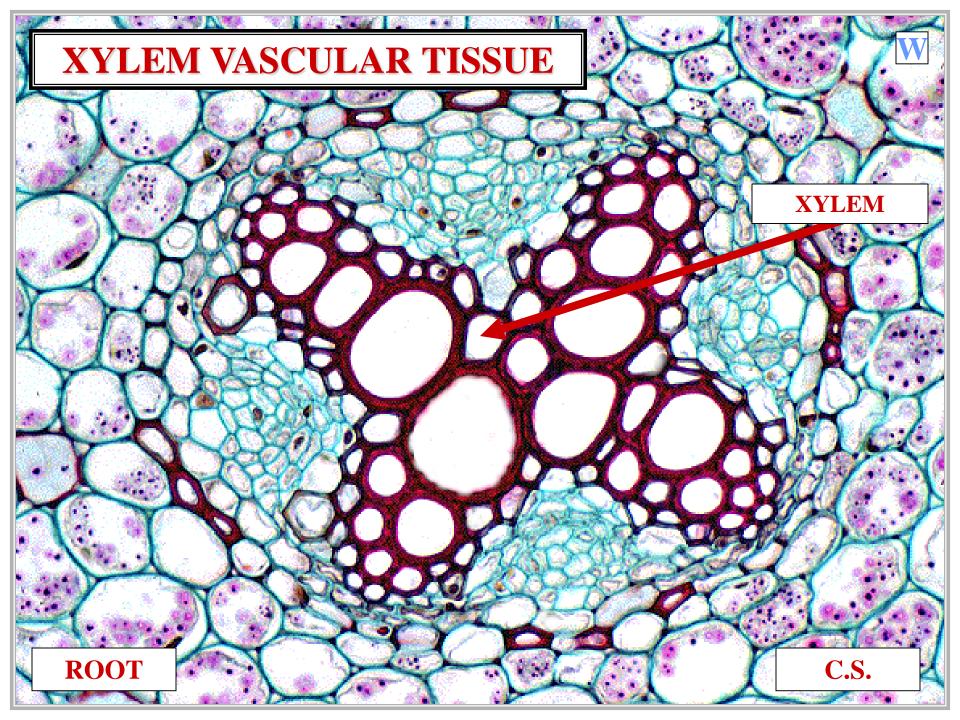


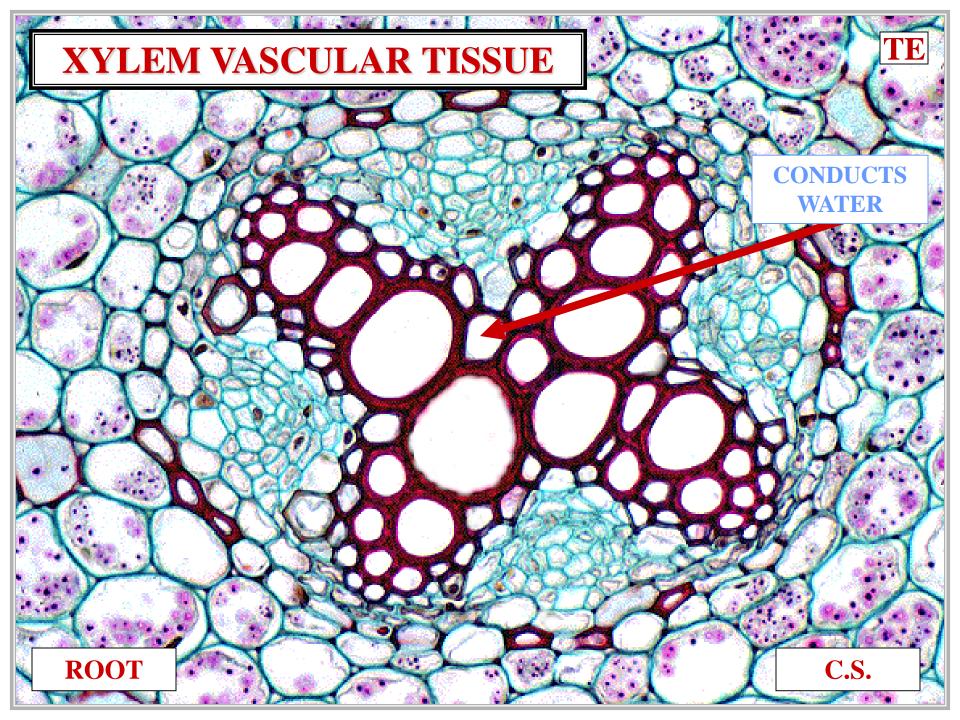


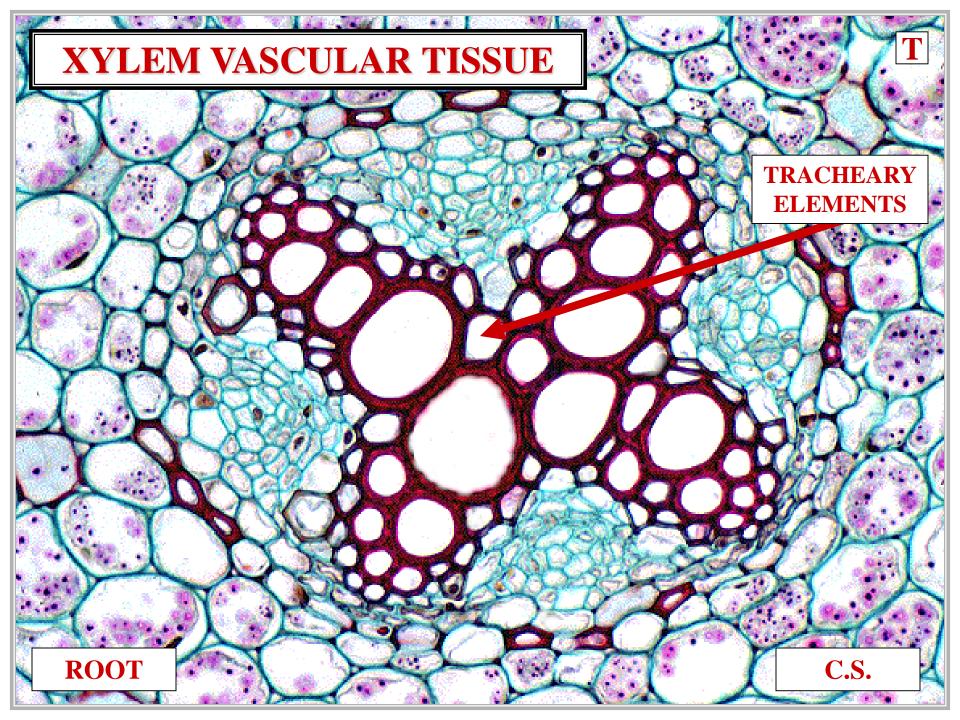


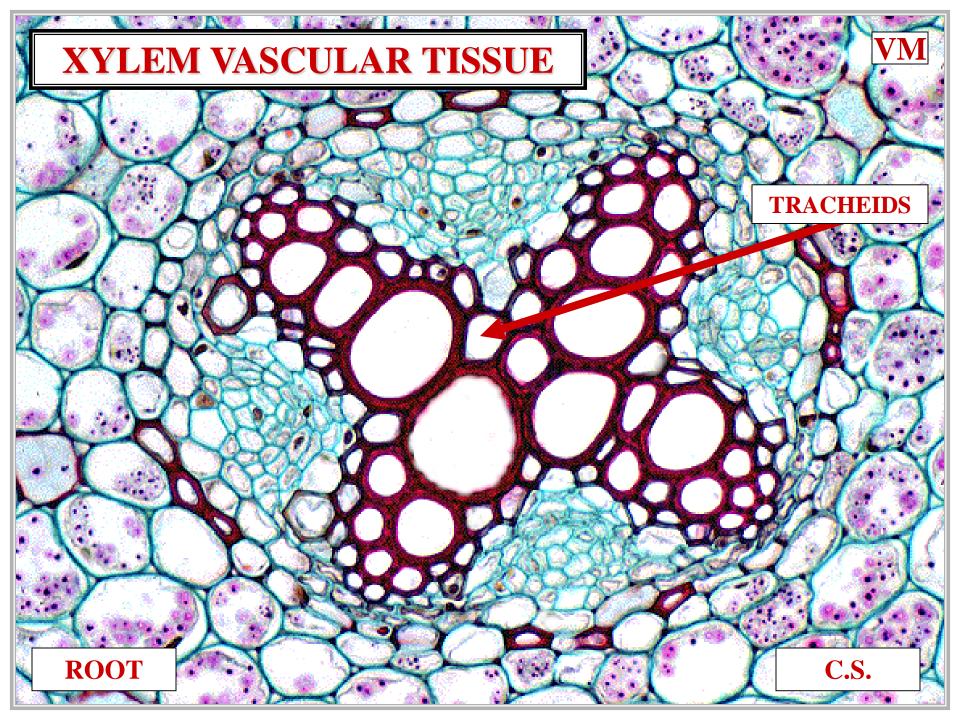


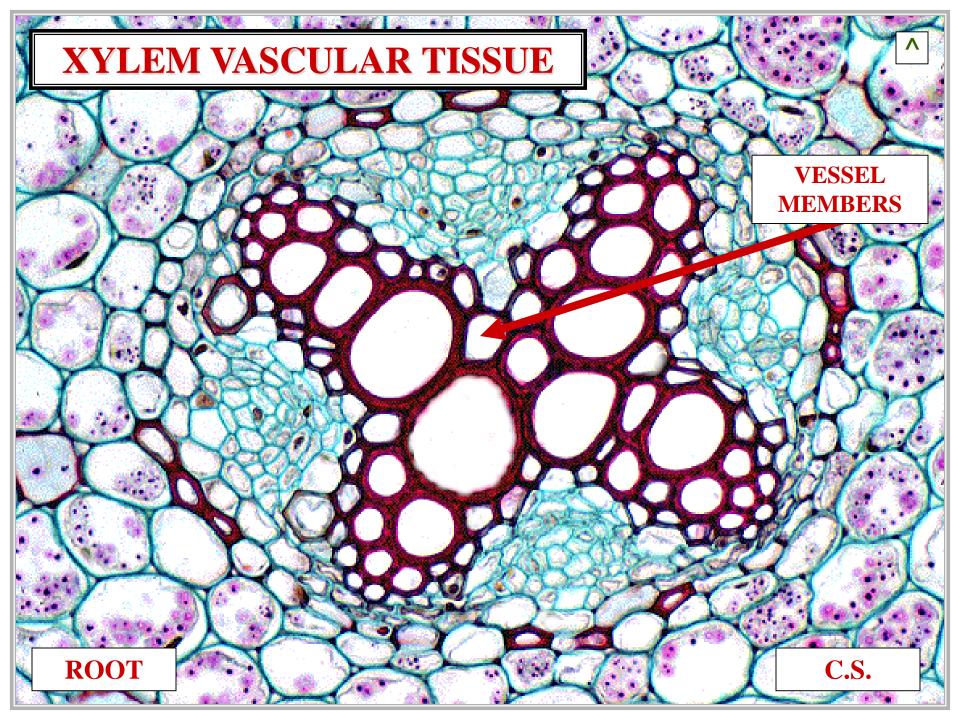
XYLEM TISSUE SUMMARY











PHLOEM VASCULAR TISSUE

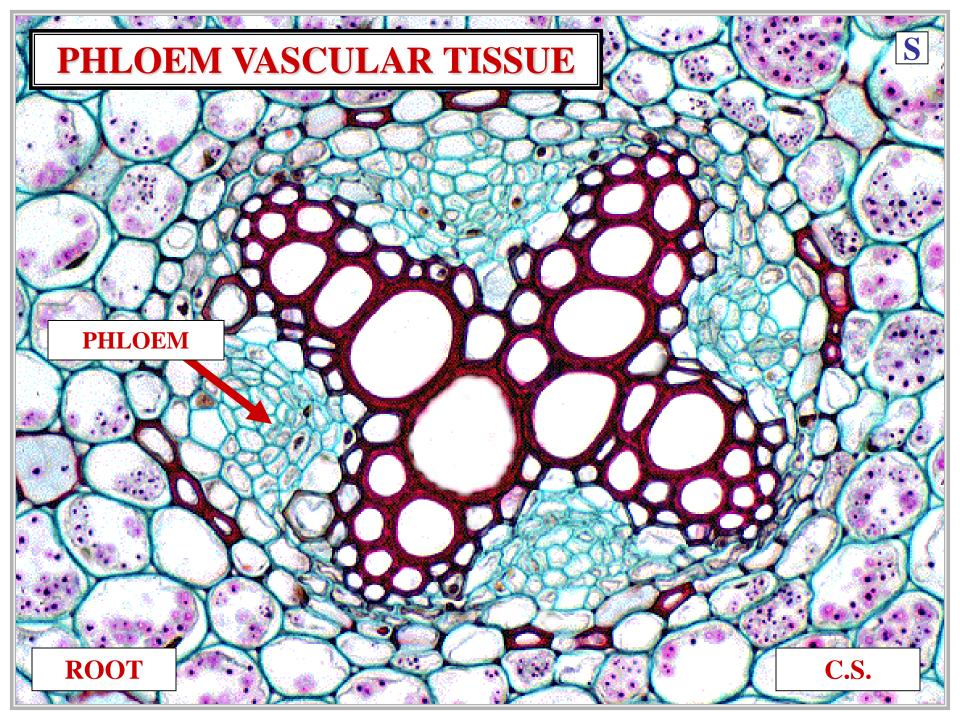
PHLOEM TISSUE

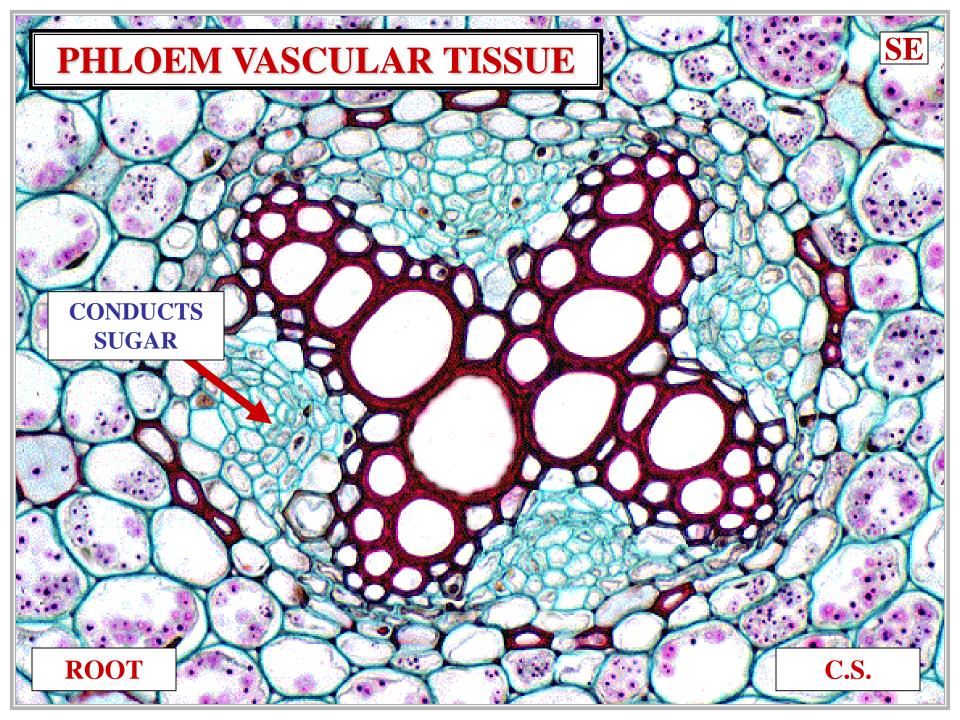


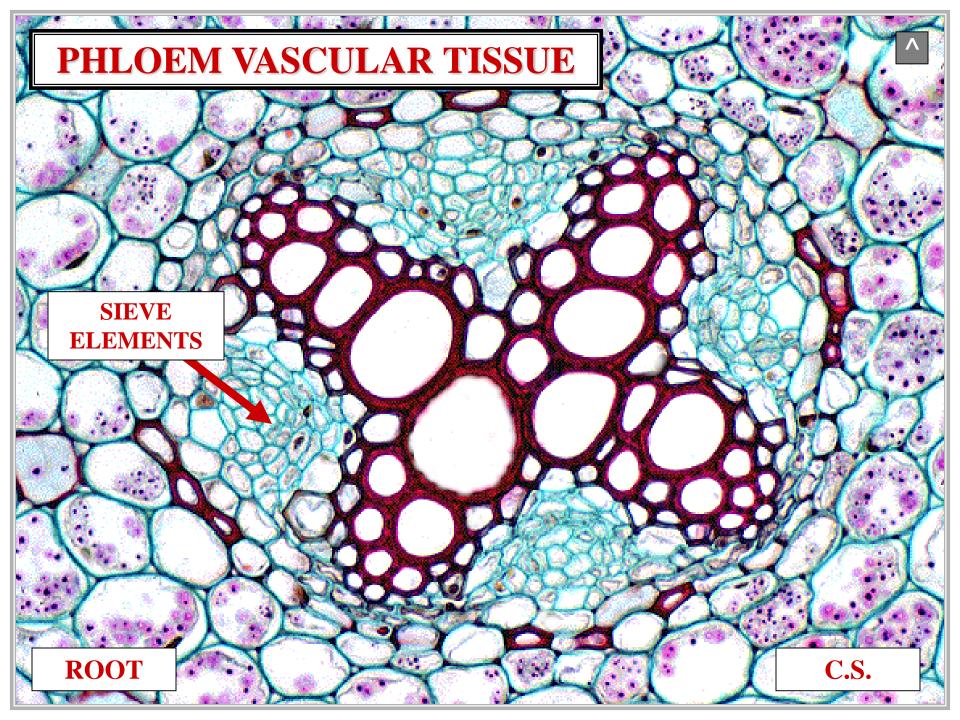
PHLOEM TISSUE

CONDUCTS SUGAR

PHLOEM TISSUE







SIEVE ELEMENTS

SIEVE ELEMENTS



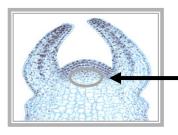


PHLOEM SUGAR CONDUCTING CELLS

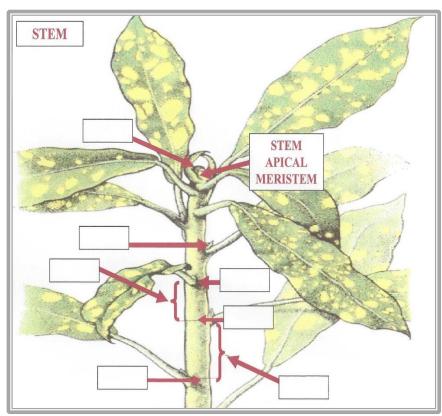
SIEVE ELEMENTS

M

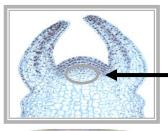
STEM APICAL MERISTEM



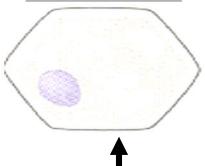
STEM APICAL MERISTEM





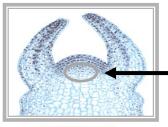


STEM APICAL MERISTEM

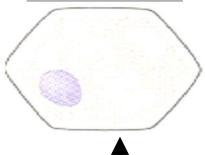


MERISTEM CELL INITIAL





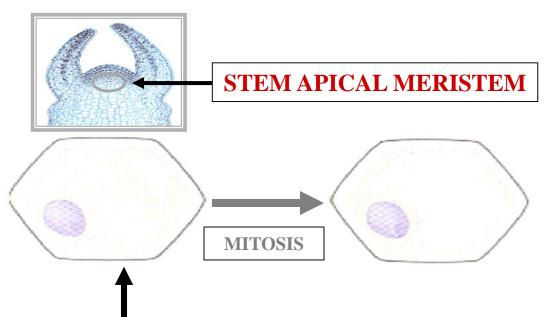
STEM APICAL MERISTEM



MERISTEM CELL INITIAL

PARENCHYMA CELL

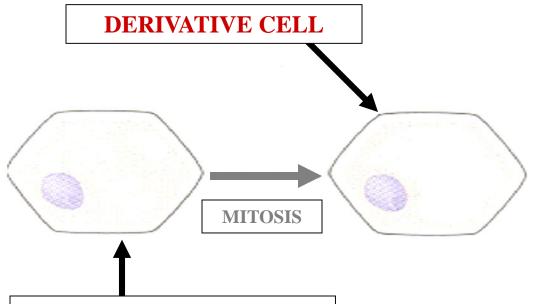




MERISTEM CELL INITIAL

PARENCHYMA CELL



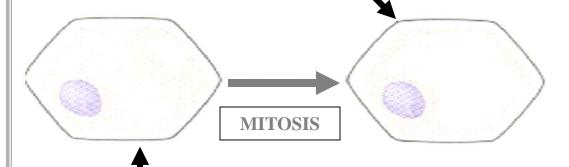


MERISTEM CELL INITIAL

PARENCHYMA CELL

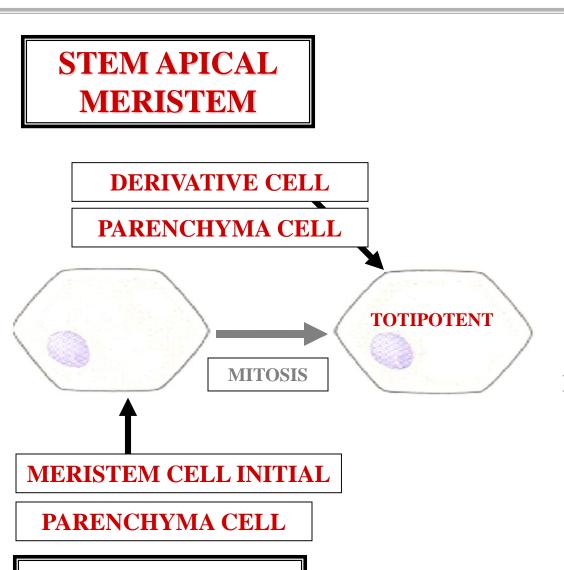
DERIVATIVE CELL

PARENCHYMA CELL



MERISTEM CELL INITIAL

PARENCHYMA CELL

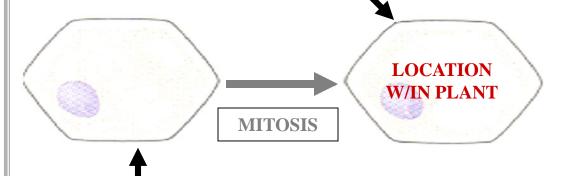


PARENCHYMA CELL
CAN POTENTALLY
DIFFERENTIATE
INTO ANY PLANT CELL TYPE



DERIVATIVE CELL

PARENCHYMA CELL



PARENCHYMA CELL
CAN POTENTALLY
DIFFERENTIATE
INTO ANY PLANT CELL TYPE

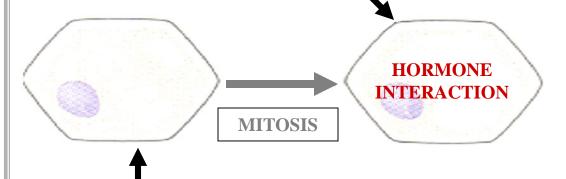
MERISTEM CELL INITIAL

PARENCHYMA CELL



DERIVATIVE CELL

PARENCHYMA CELL



PARENCHYMA CELL
CAN POTENTALLY
DIFFERENTIATE
INTO ANY PLANT CELL TYPE

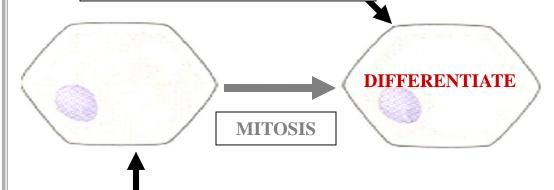
MERISTEM CELL INITIAL

PARENCHYMA CELL



DERIVATIVE CELL

PARENCHYMA CELL



PARENCHYMA CELL
CAN POTENTALLY
DIFFERENTIATE
INTO ANY PLANT CELL TYPE

MERISTEM CELL INITIAL

PARENCHYMA CELL

DERIVATIVE CELL

PARENCHYMA CELL

DIFFERENTIATE **MITOSIS MERISTEM CELL INITIAL** PARENCHYMA CELL

PARENCHYMA CELL **CAN POTENTALLY** DIFFERENTIATE INTO ANY PLANT CELL TYPE

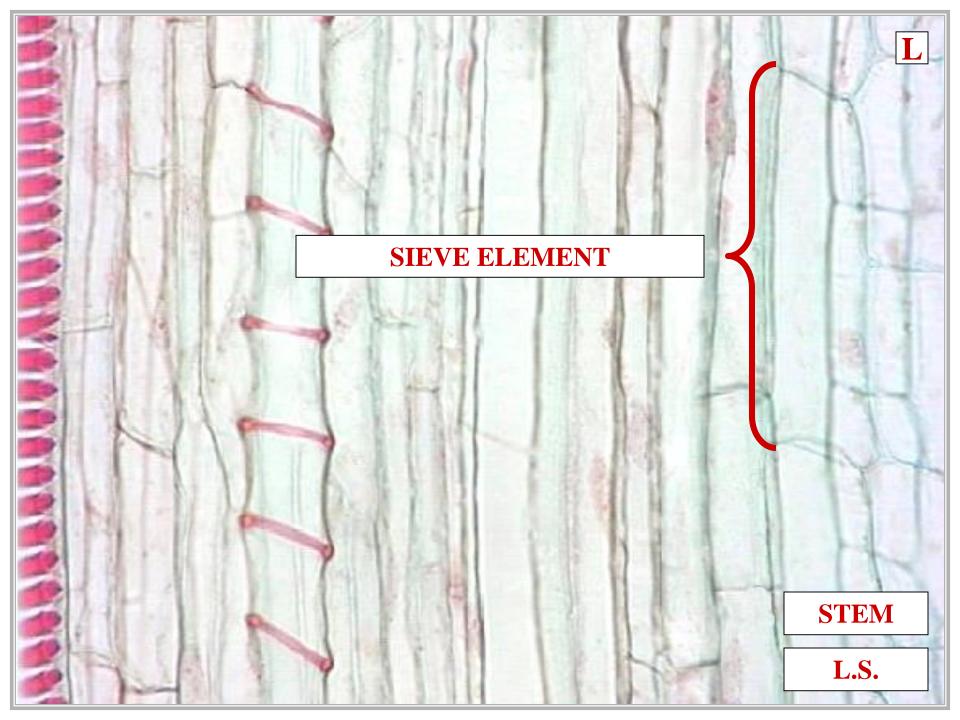
PARENCHYMA BASIC PLANT CELL

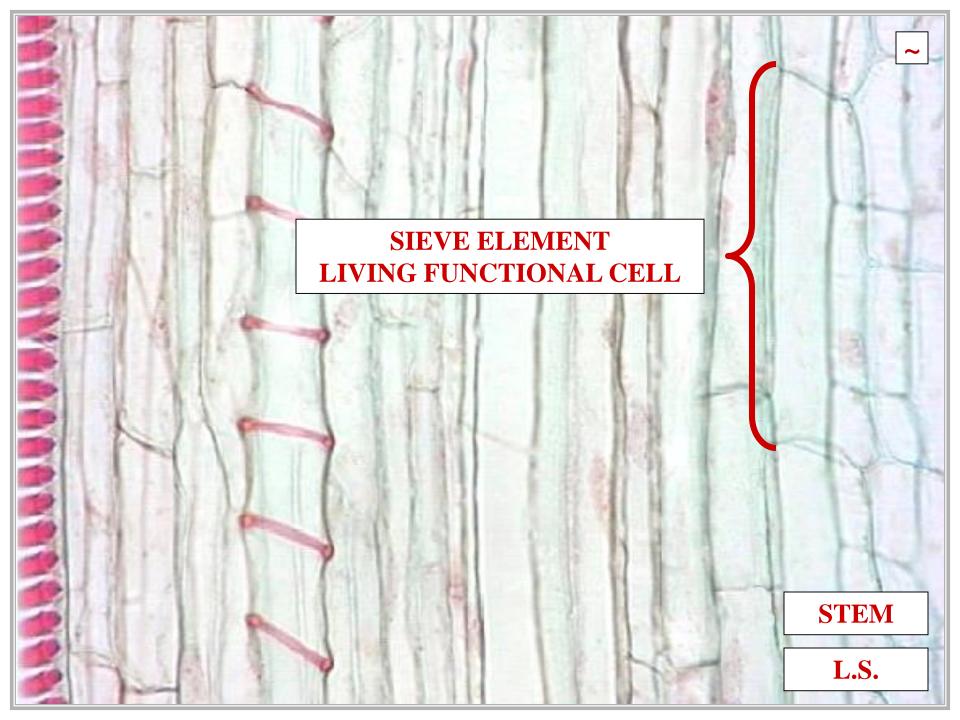
SIEVE ELEMENT

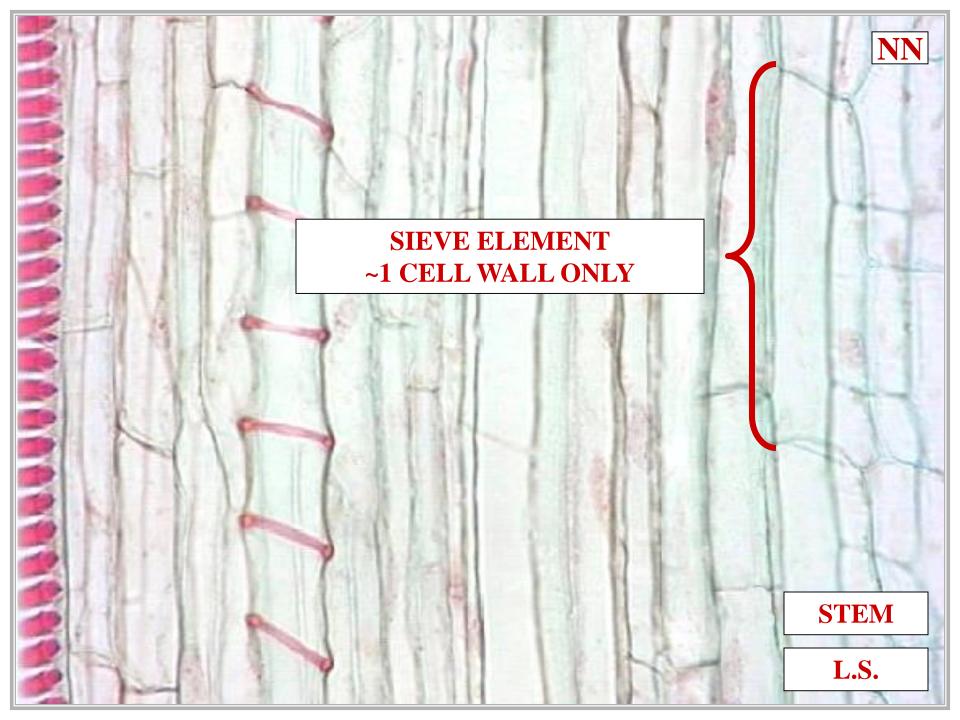


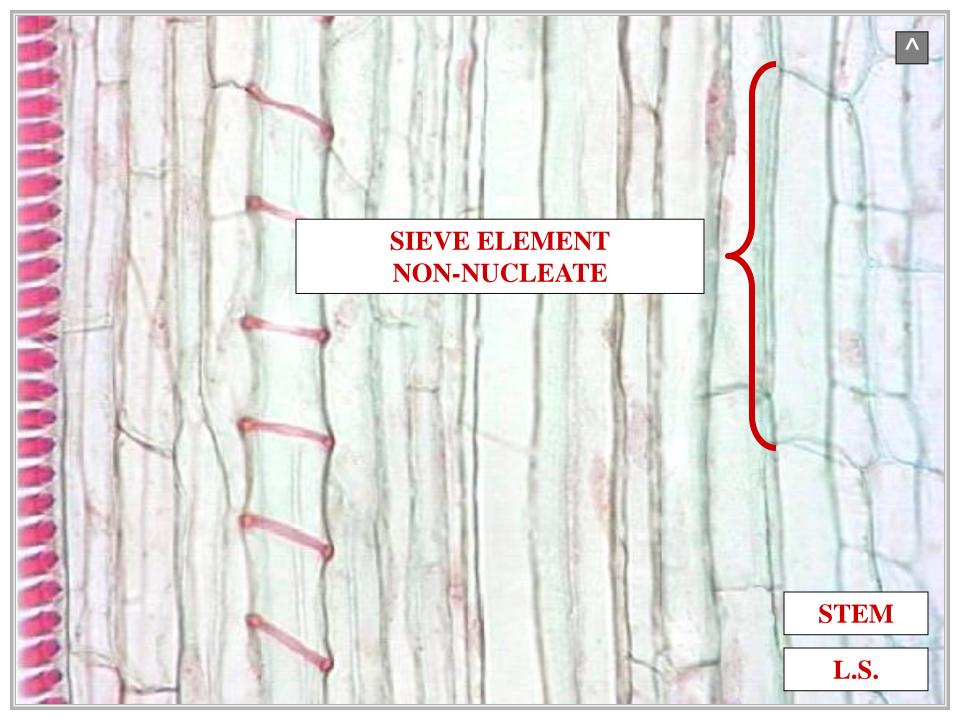
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SIEVE ELEMENT CHARACTERS









SIEVE ELEMENT TYPES

SIEVE ELEMENT TYPES

SIEVE CELL

SIEVE ELEMENT TYPES

SIEVE CELL SIEVE MEMBER

SIEVE ELEMENT TYPES

SIEVE CELL

SIEVE ELEMENTS SIEVE CELL

KNOWN PTERIDOPHYTES & GYMNOSPERMS

SIEVE ELEMENTS SIEVE CELL

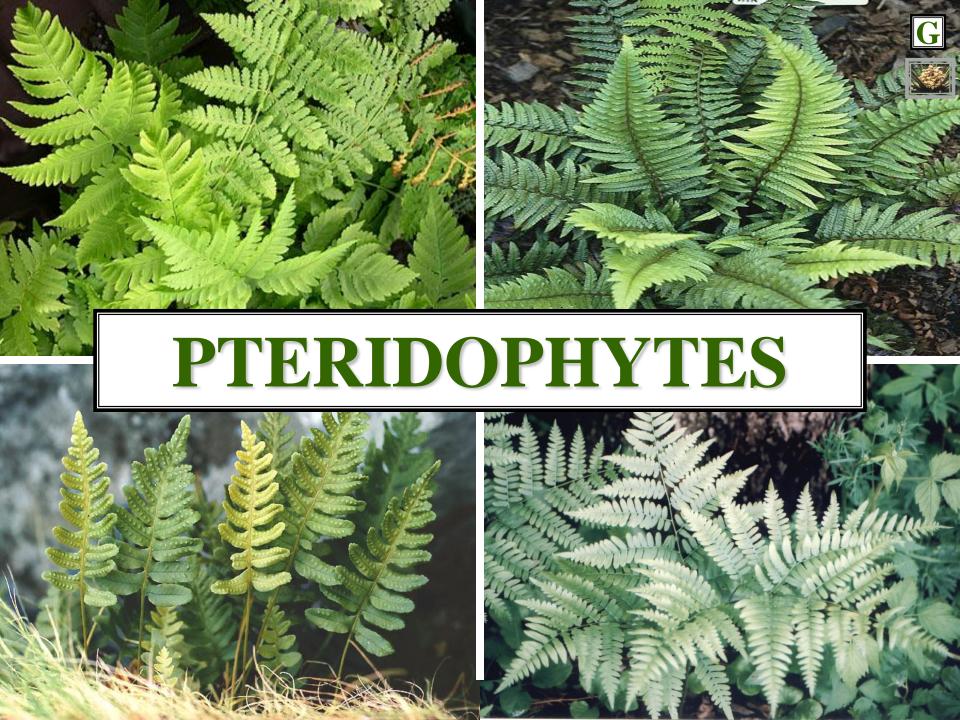
SIEVE ELEMENTS SIEVE CELL



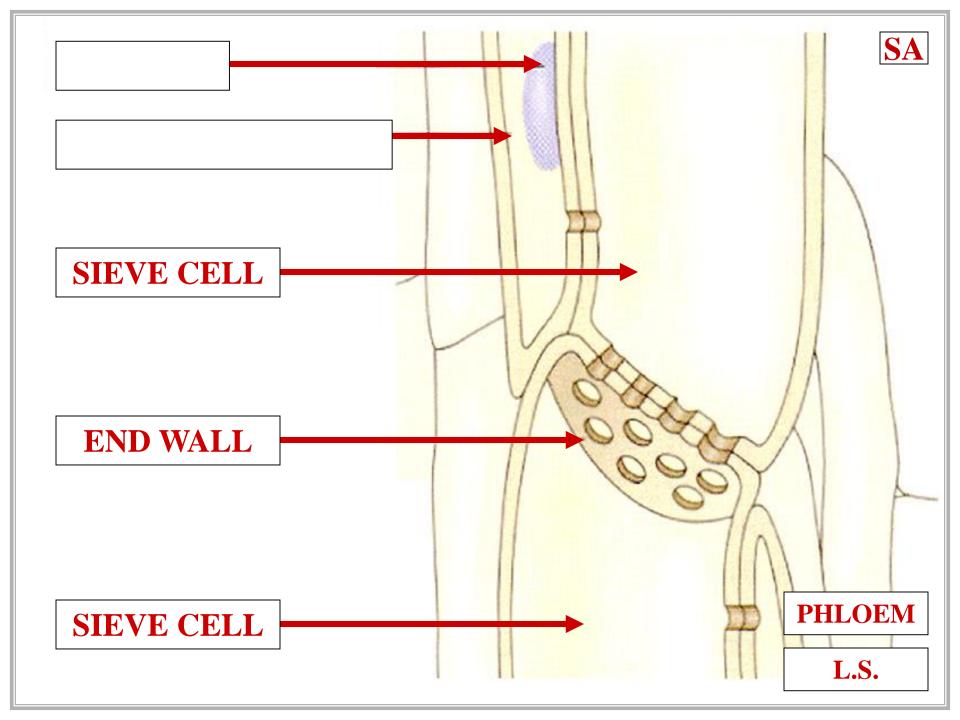
KNOWN PTERIDOPHYTES & GYMNOSPERMS

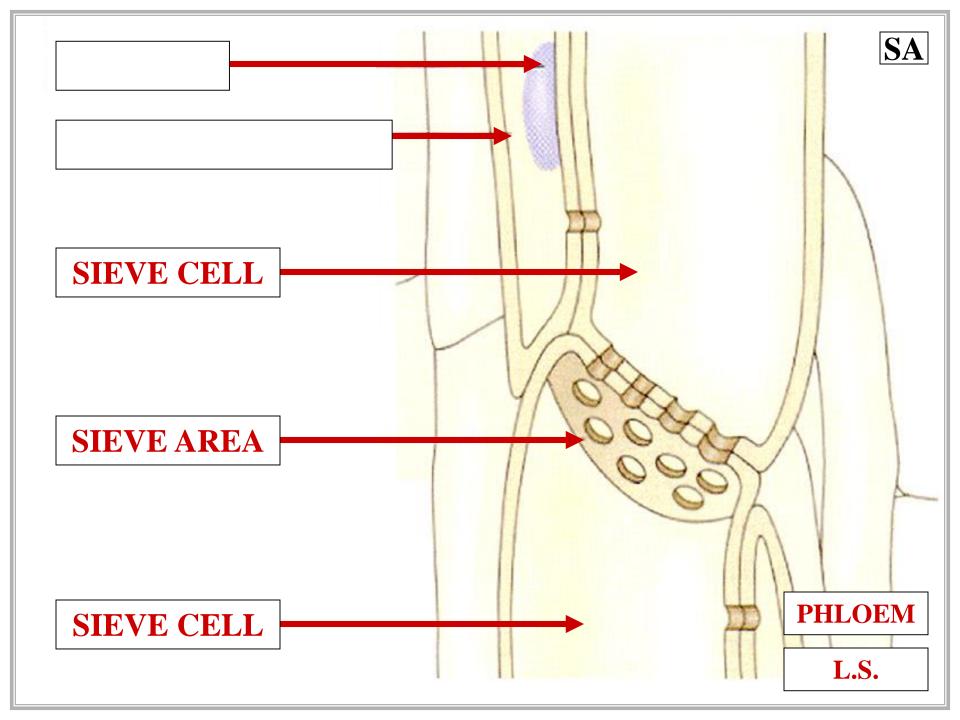
END WALL WITH SIEVE AREA

SIEVE ELEMENTS SIEVE CELL









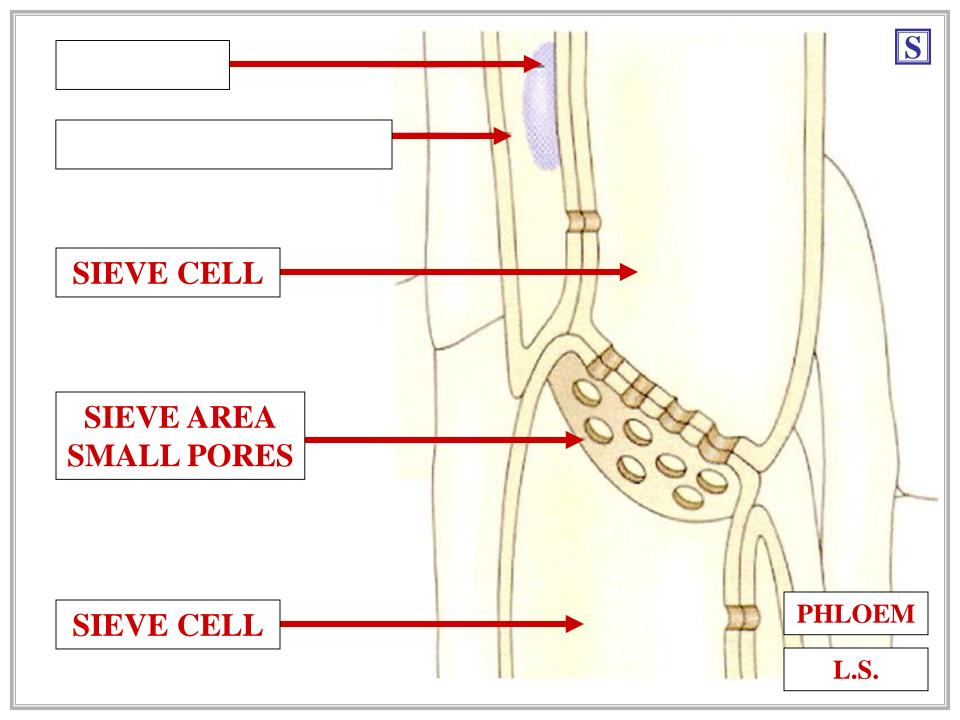
SIEVE AREA

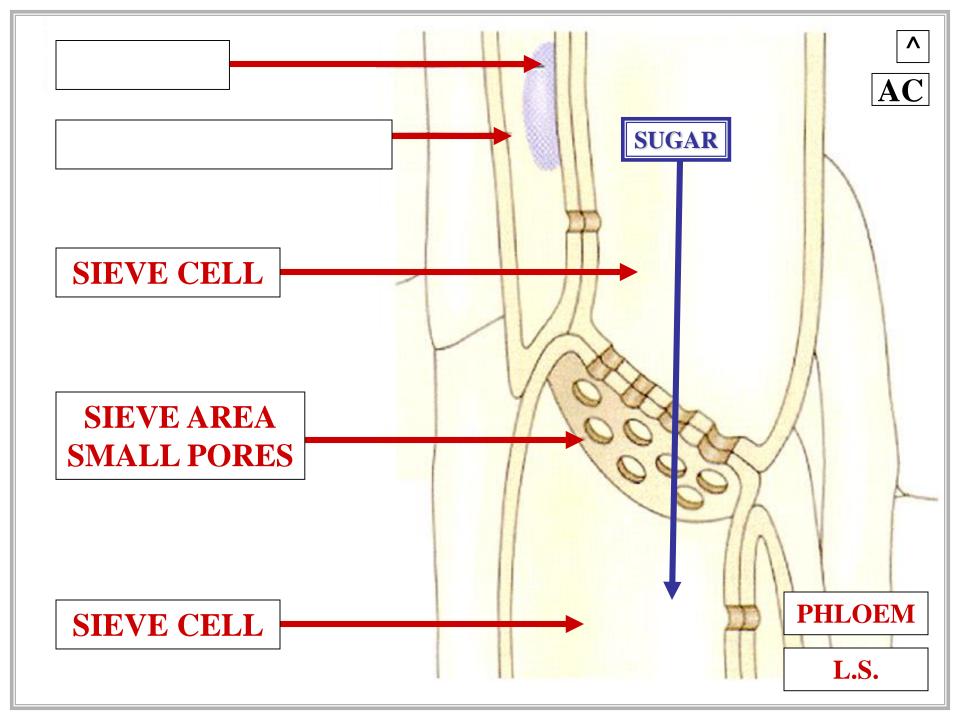
SIEVE ELEMENTS SIEVE CELL / SIEVE AREA



SMALL PORES

SIEVE ELEMENTS SIEVE CELL / SIEVE AREA





ALBUMINOUS CELL

SIEVE CELL ALBUMINOUS CELL

ASSOCIATED WITH SIEVE CELL

SIEVE CELL ALBUMINOUS CELL

SIEVE CELL ALBUMINOUS CELL

ASSOCIATED WITH SIEVE CELL

NUCLEATED

SIEVE CELL ALBUMINOUS CELL

SIEVE CELL ALBUMINOUS CELL

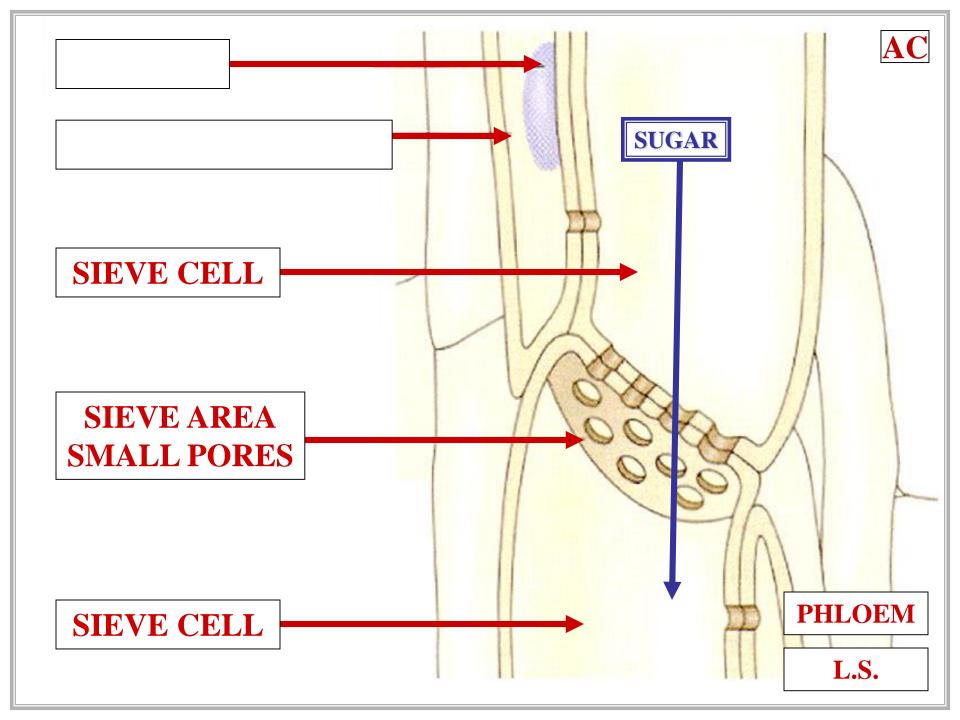


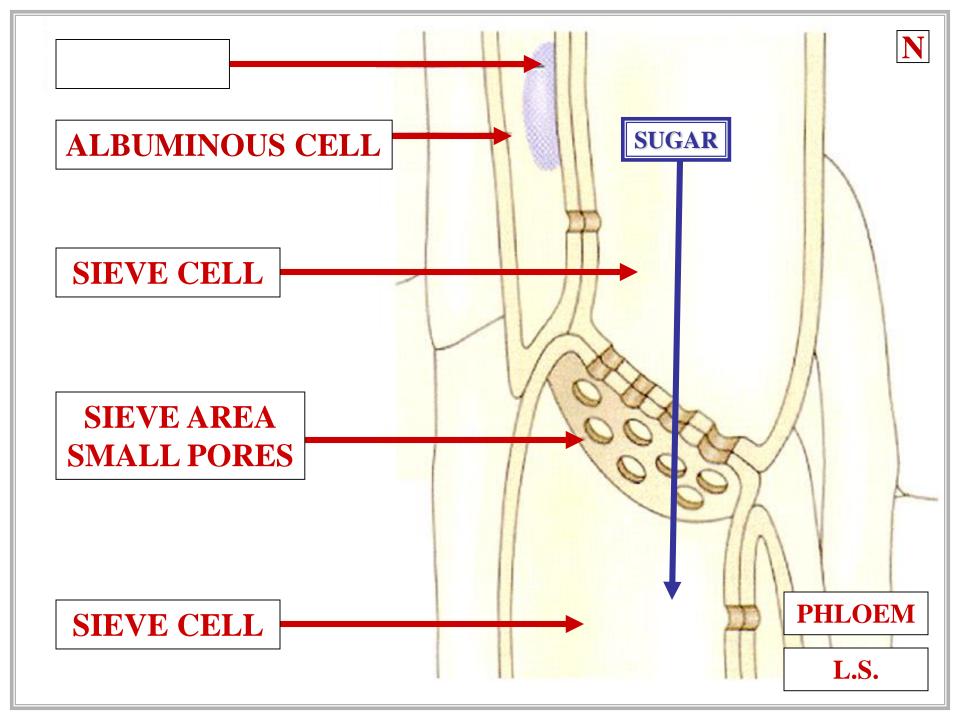
ASSOCIATED WITH SIEVE CELL

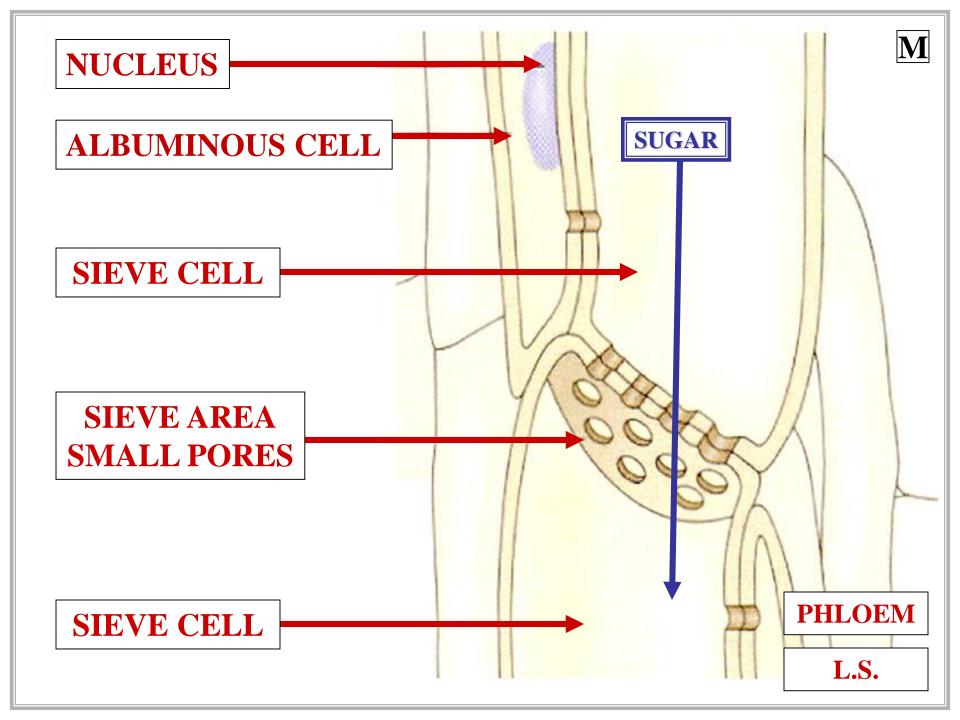
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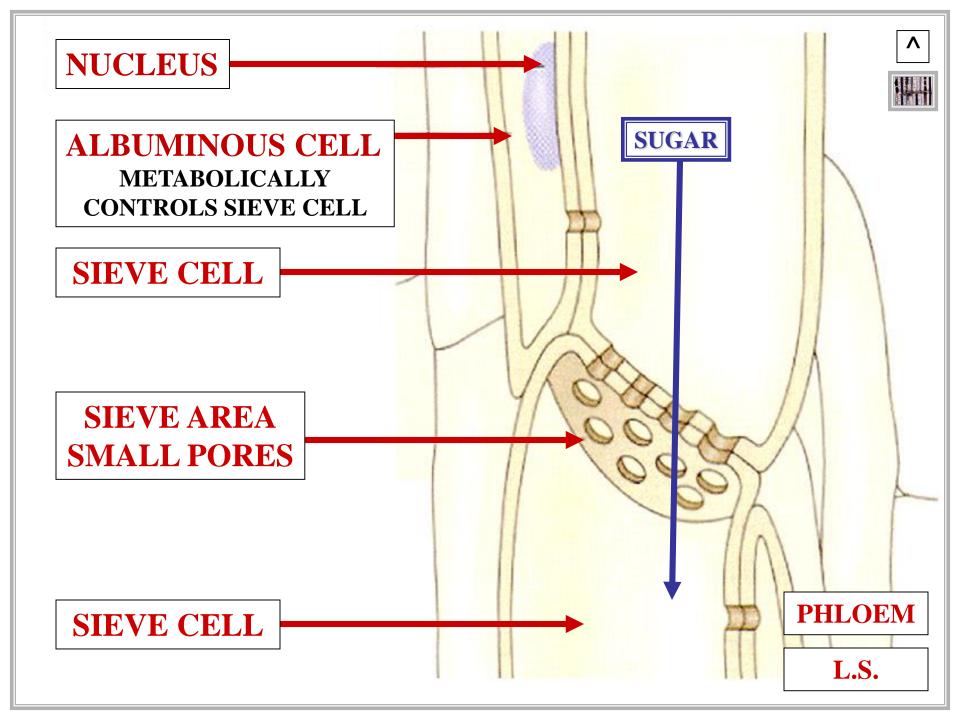
METABOLICALLY CONTROLS SIEVE CELL

SIEVE CELL ALBUMINOUS CELL



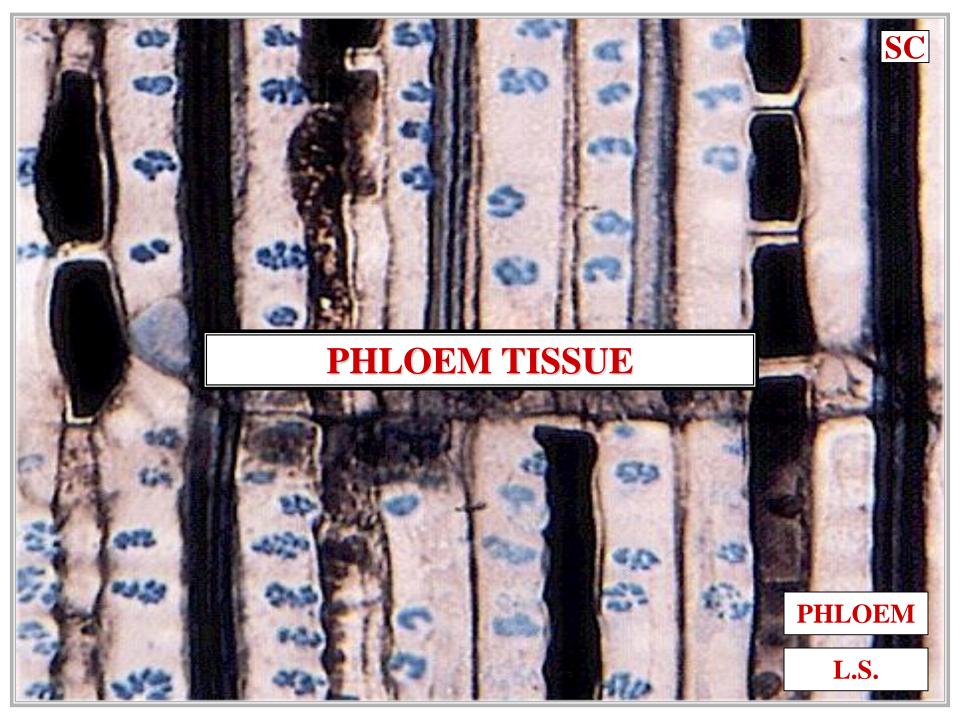


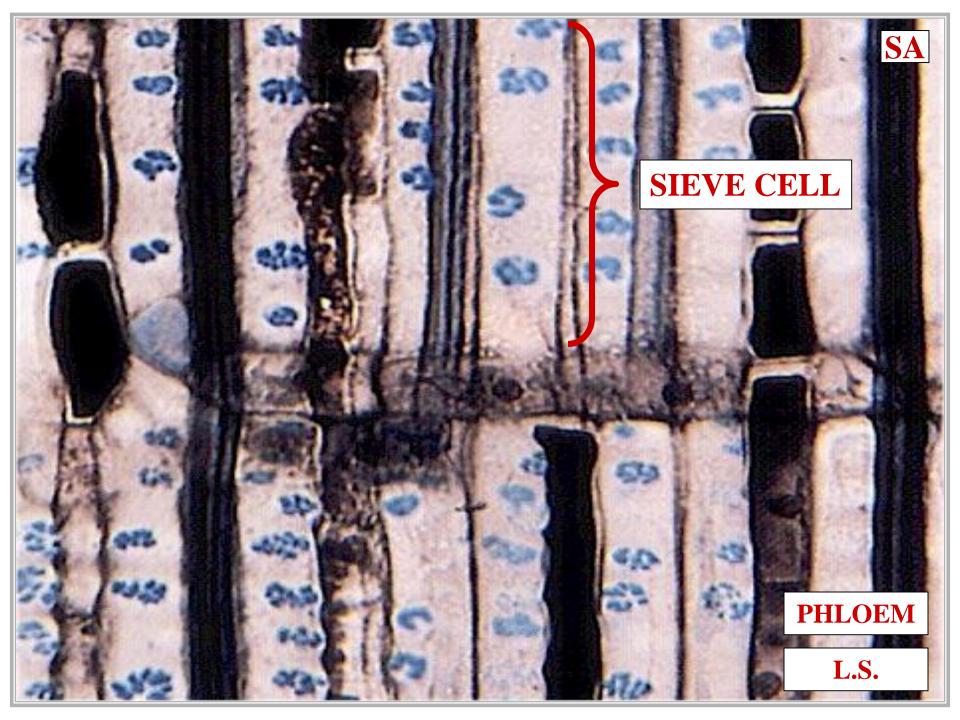


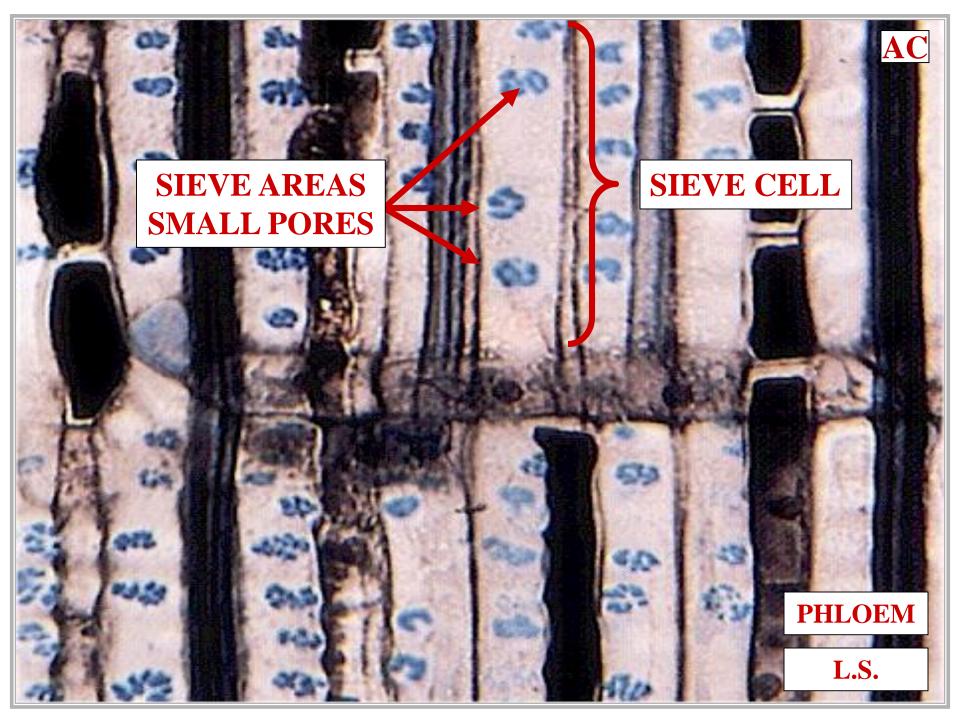


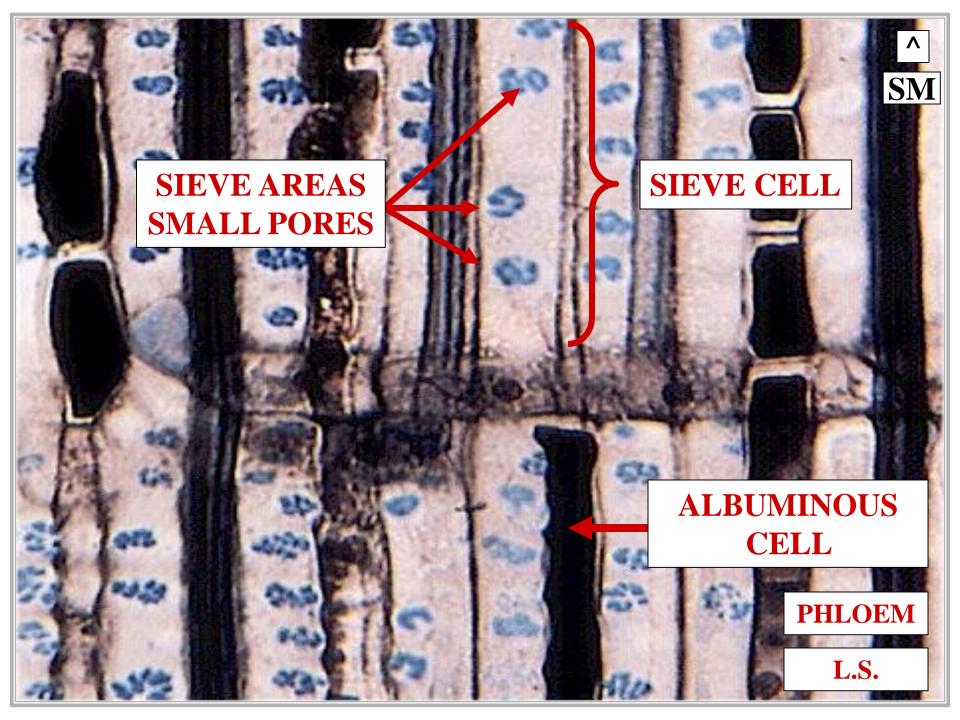


SIEVE CELL ALBUMINOUS CELL MICROGRAPHS









SIEVE MEMBER

SIEVE ELEMENTS SIEVE MEMBER

KNOWN ANGIOSPERMS ONLY

SIEVE ELEMENTS SIEVE MEMBER

SIEVE ELEMENTS SIEVE MEMBER



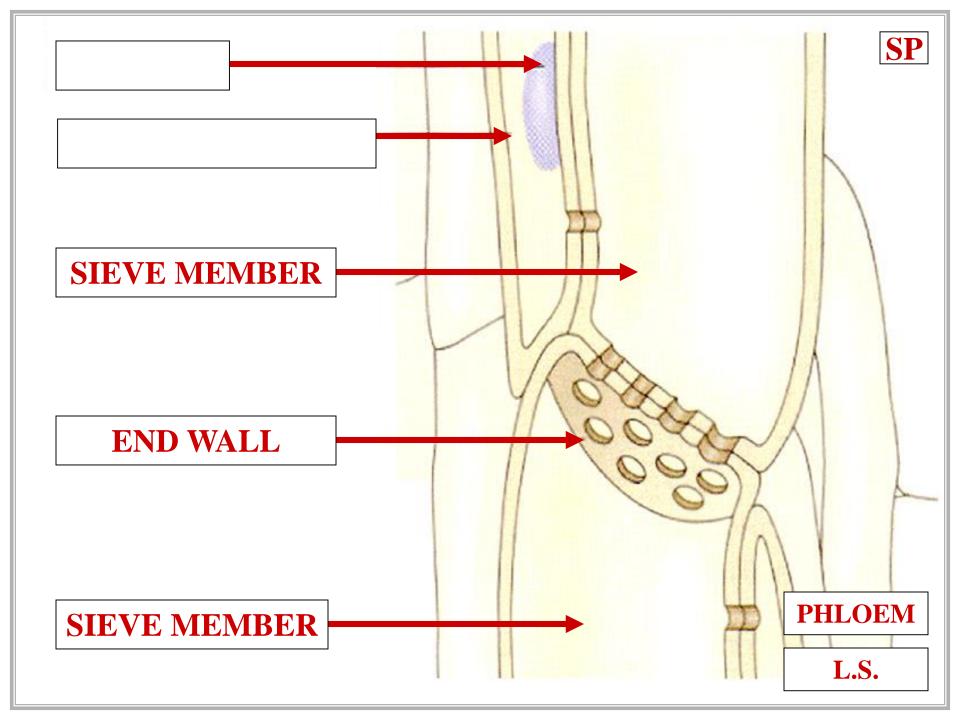
KNOWN ANGIOSPERMS ONLY

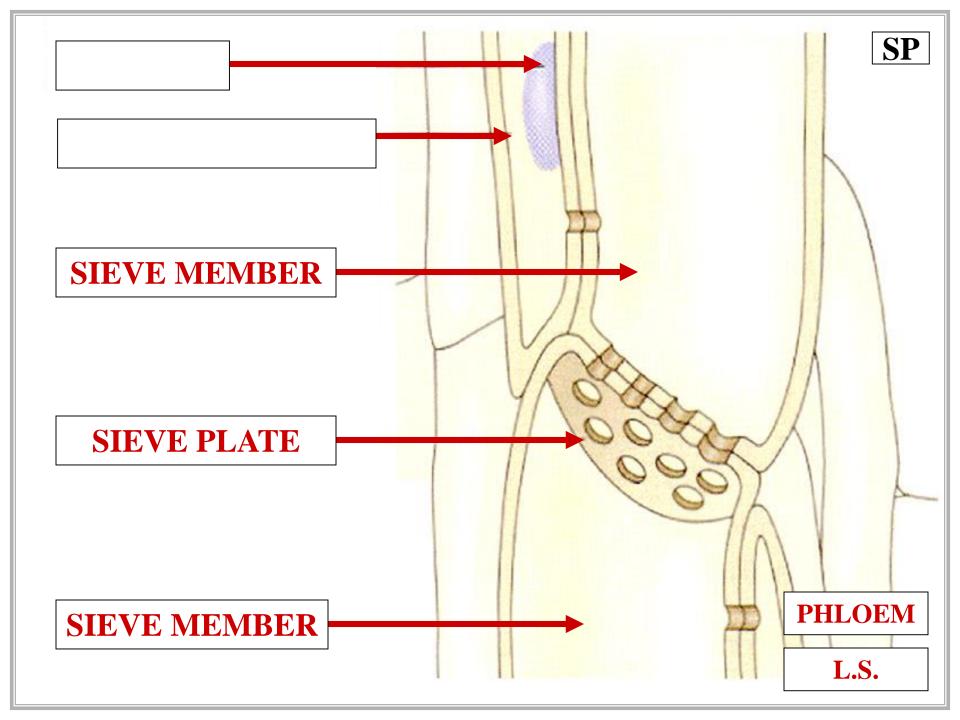
END WALL WITH SIEVE PLATE

SIEVE ELEMENTS SIEVE MEMBER







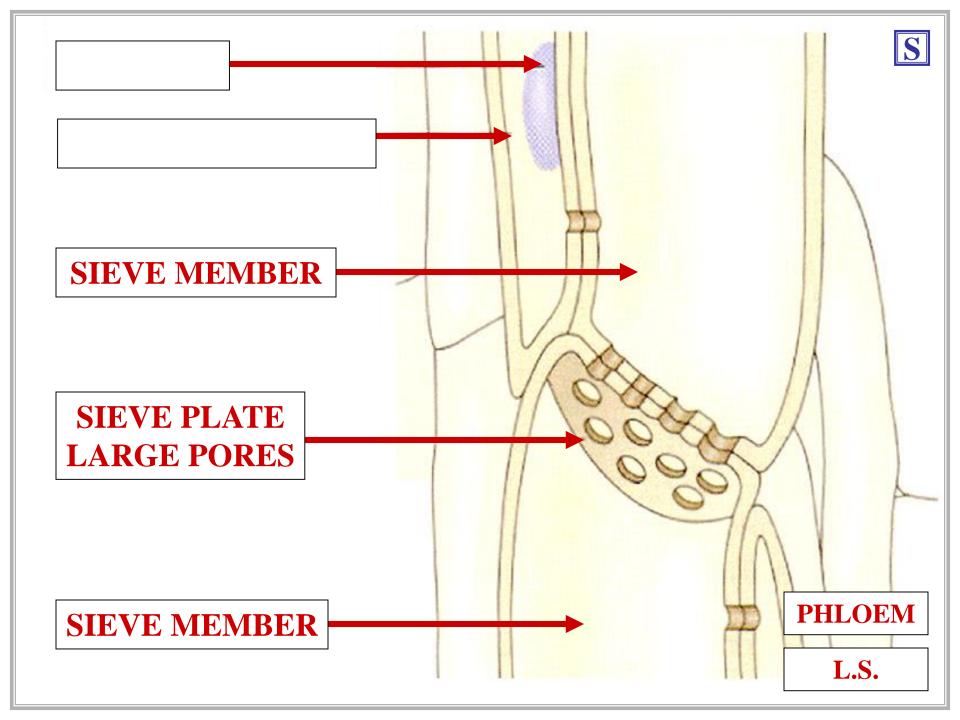


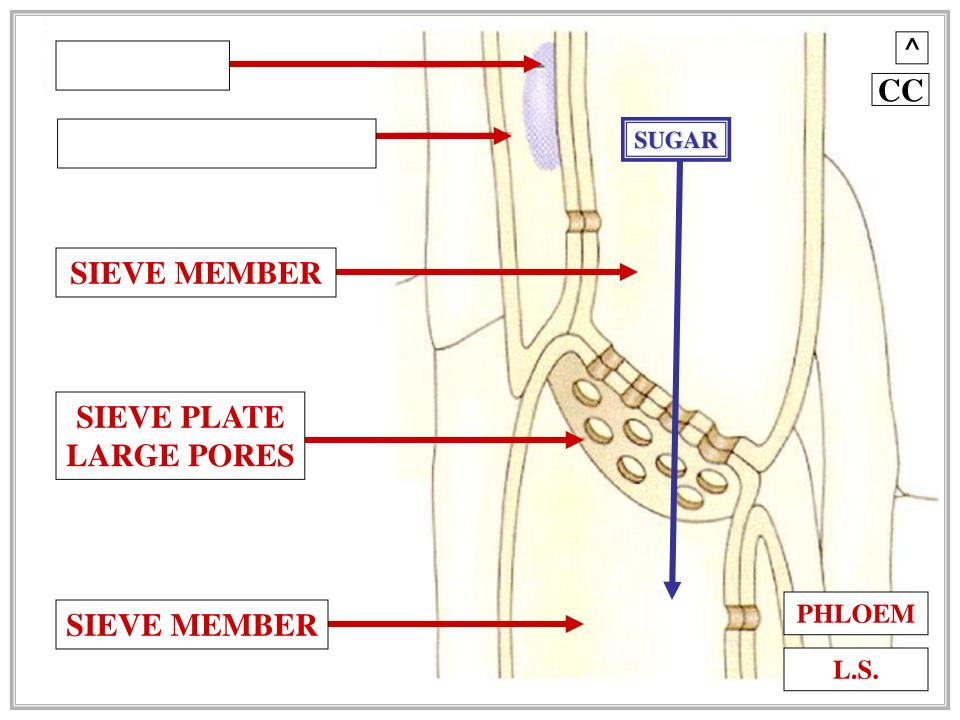
SIEVE PLATE



LARGE PORES

SIEVE ELEMENTS
SIEVE MEMBER / SIEVE PLATE





COMPANION CELL

SIEVE MEMBER COMPANION CELL

ASSOCIATED WITH SIEVE MEMBER

SIEVE MEMBER COMPANION CELL

SIEVE MEMBER COMPANION CELL

ASSOCIATED WITH SIEVE MEMBER

NUCLEATED

SIEVE MEMBER COMPANION CELL

SIEVE MEMBER COMPANION CELL



ASSOCIATED WITH SIEVE MEMBER

NUCLEATED

METABOLICALLY CONTROLS SIEVE MEMBER

SIEVE MEMBER COMPANION CELL

