

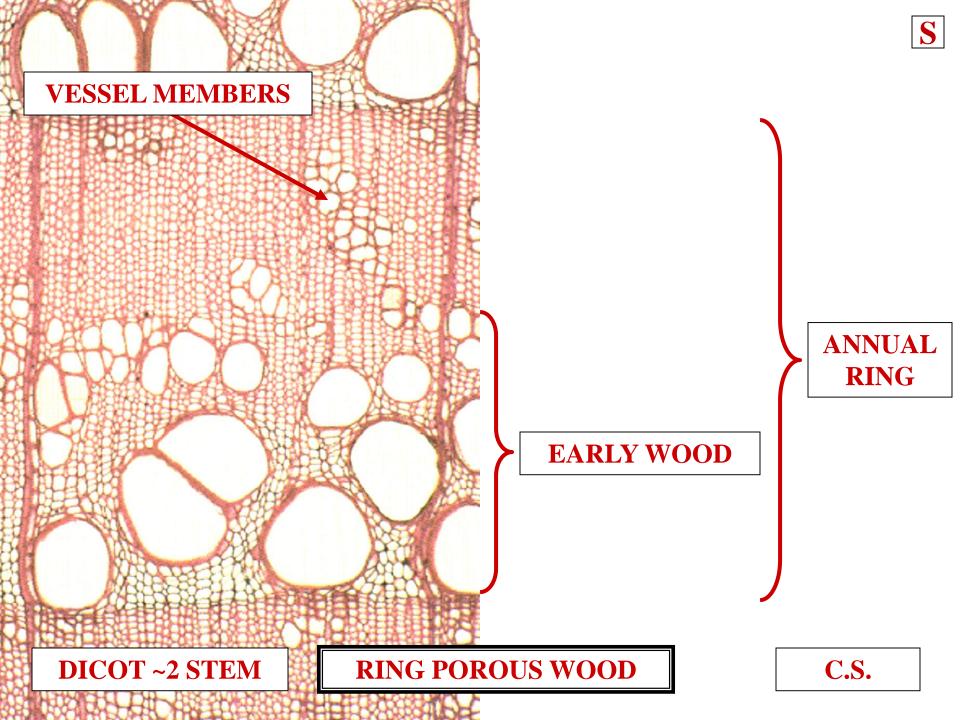
LATE WOOD

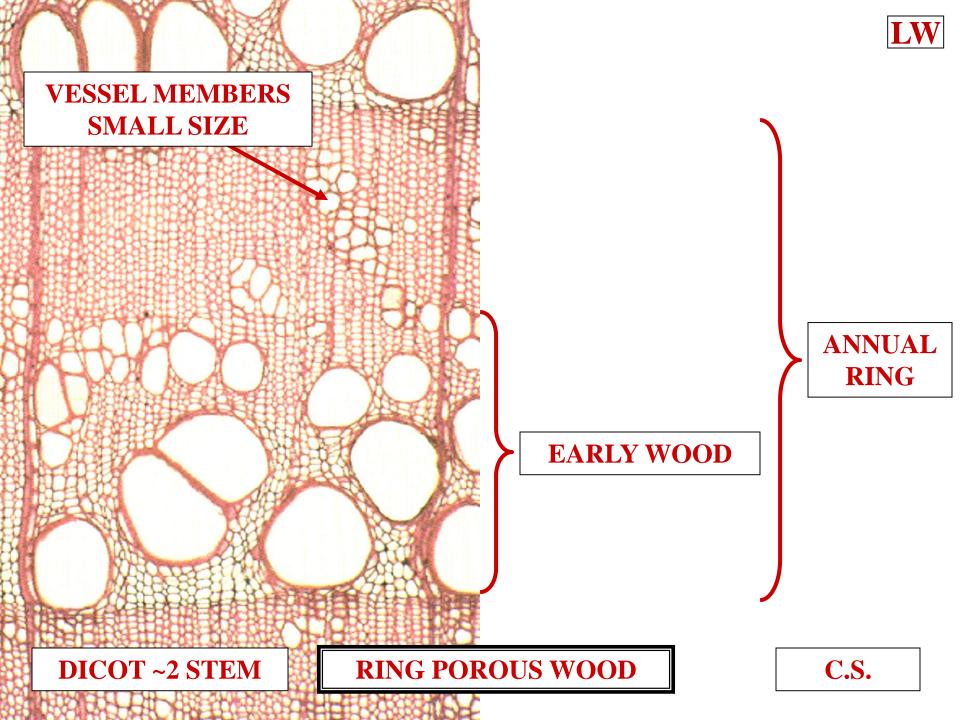


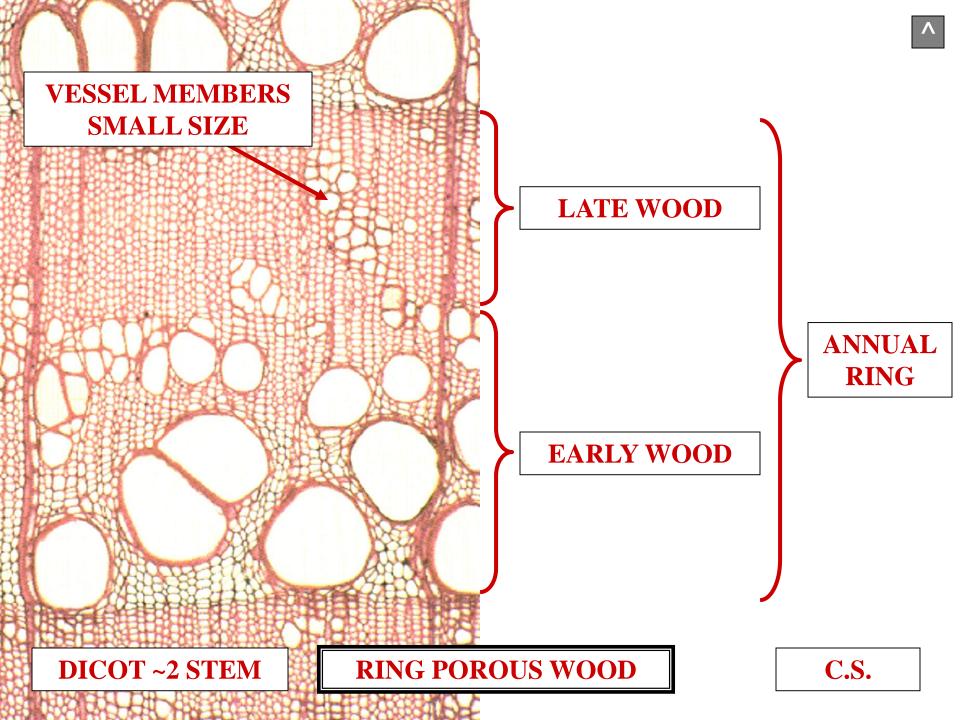


SMALLER VESSEL MEMBER SIZE

RING POROUS WOOD LATE WOOD









DIFFUSE POROUS WOOD

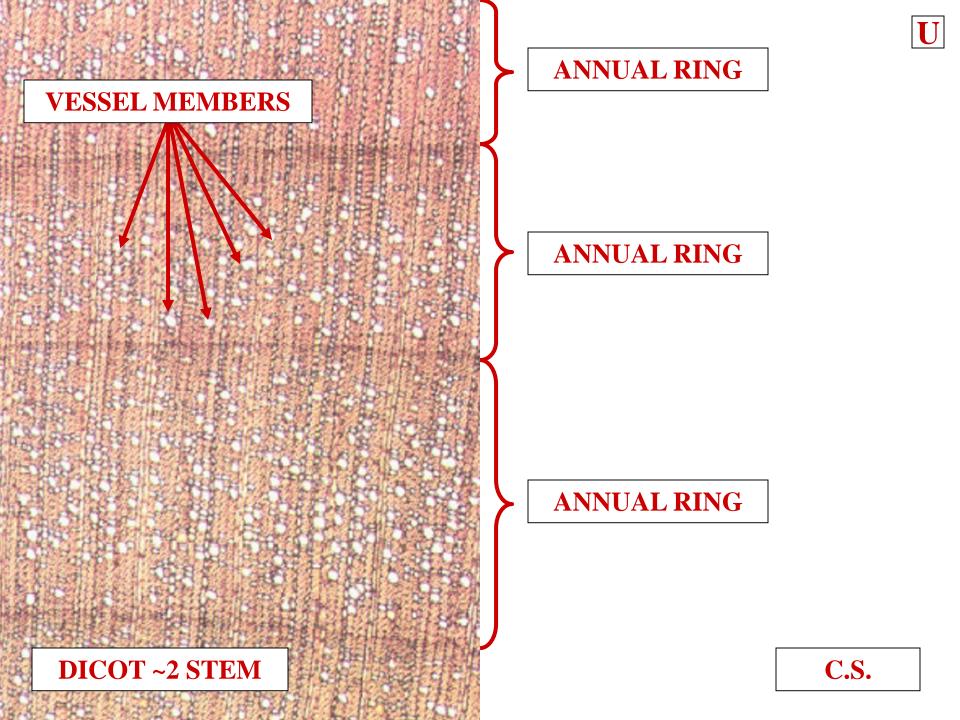
DIFFUSE POROUS WOOD

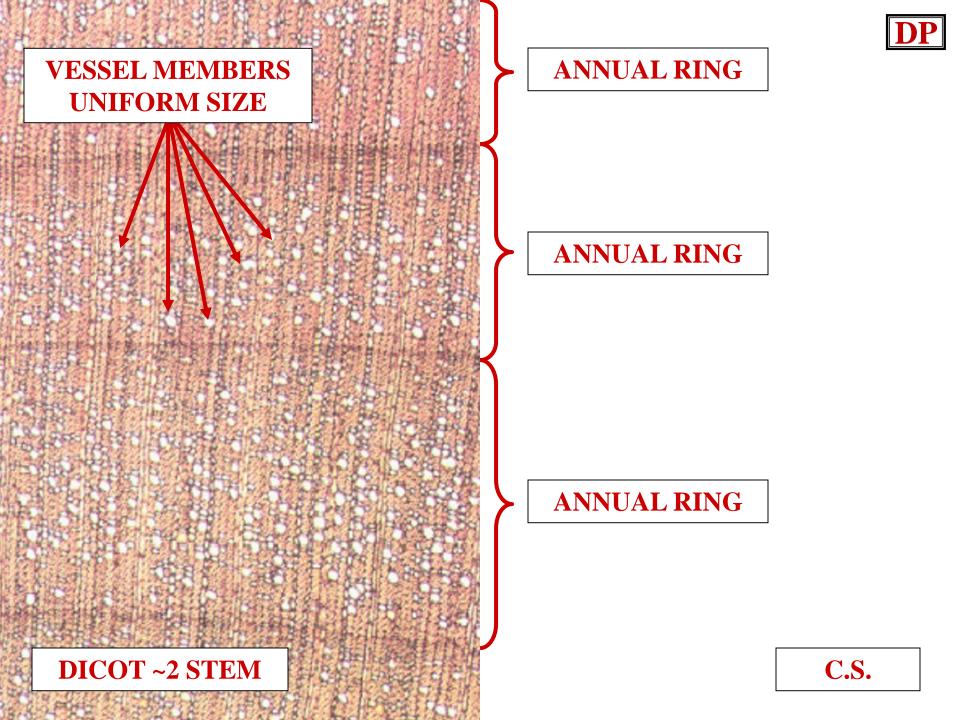
WOOD TYPES RING POROUS WOOD

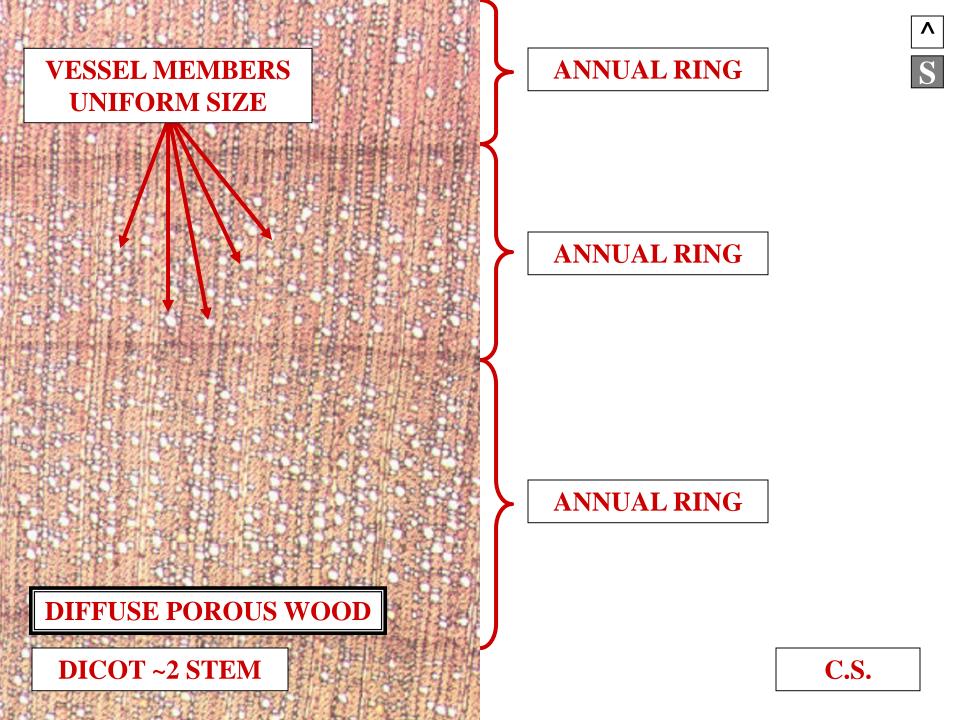


VESSEL MEMBRANE SIZE UNIFORM WITHIN ANNUAL RING

WOOD TYPES RING POROUS WOOD



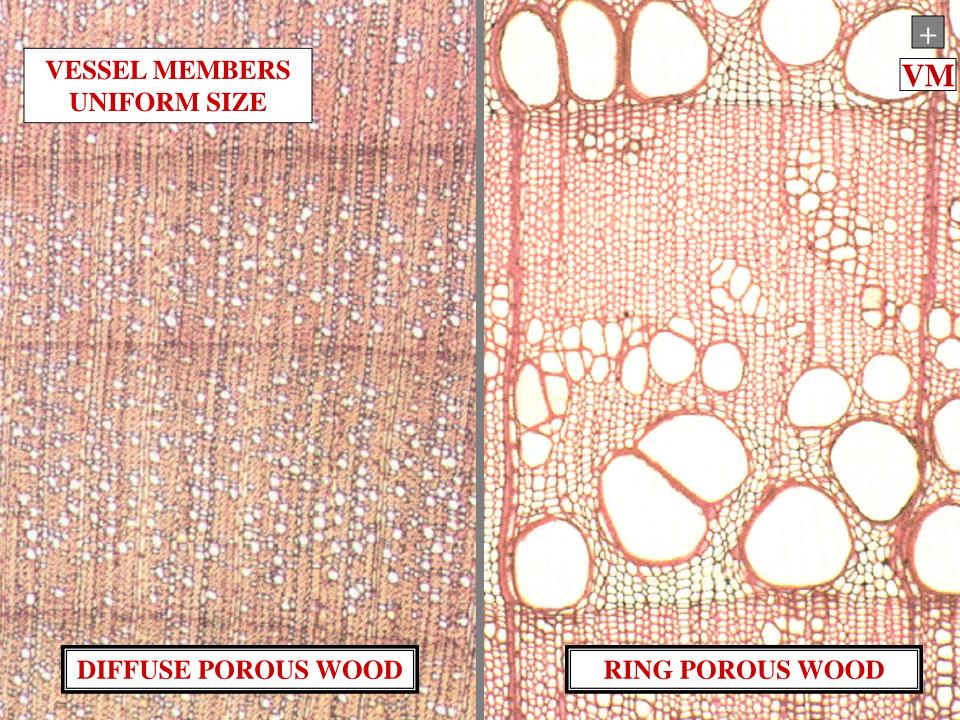


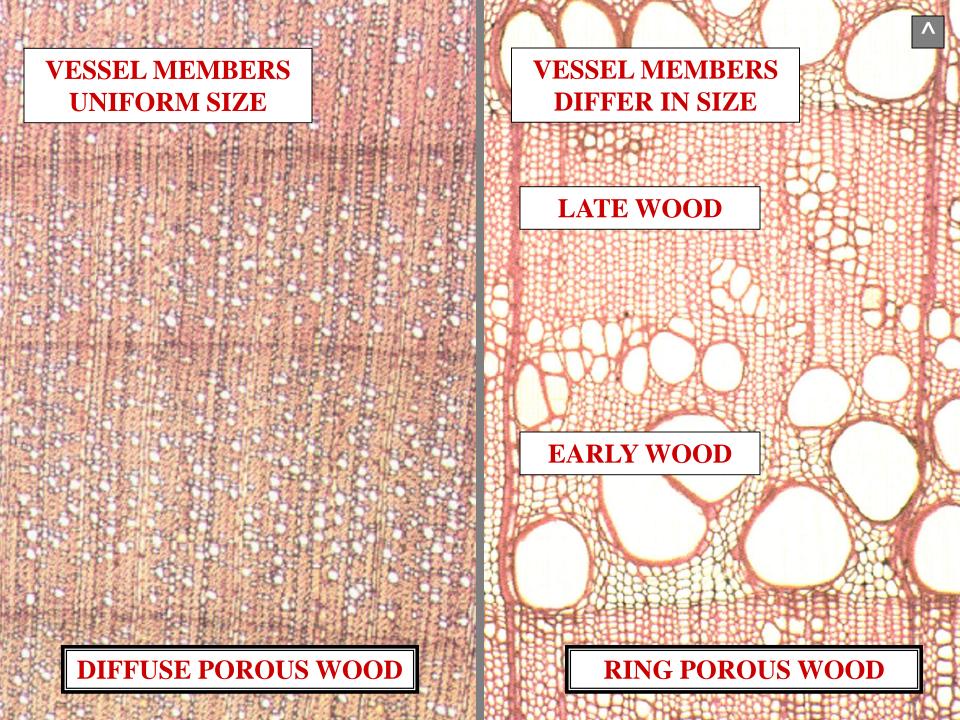




RING POROUS WOOD VS DIFFUSE POROUS WOOD SUMMARY







SAPWOOD VS HEARTWOOD

SAPWOOD

+

LIGHT COLORED FUNCTIONAL XYLEM

WOOD TYPES SAPWOOD

WOOD TYPES SAPWOOD



LIGHT COLORED FUNCTIONAL XYLEM

TRANSPORTS WATER

WOOD TYPES SAPWOOD

WOOD TYPES SAPWOOD

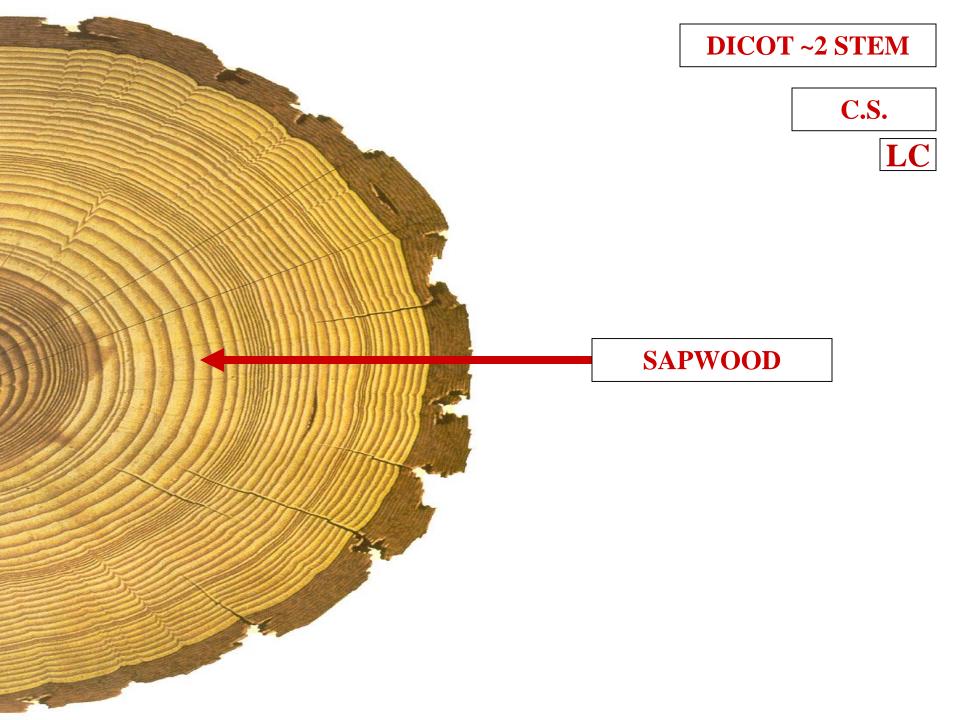


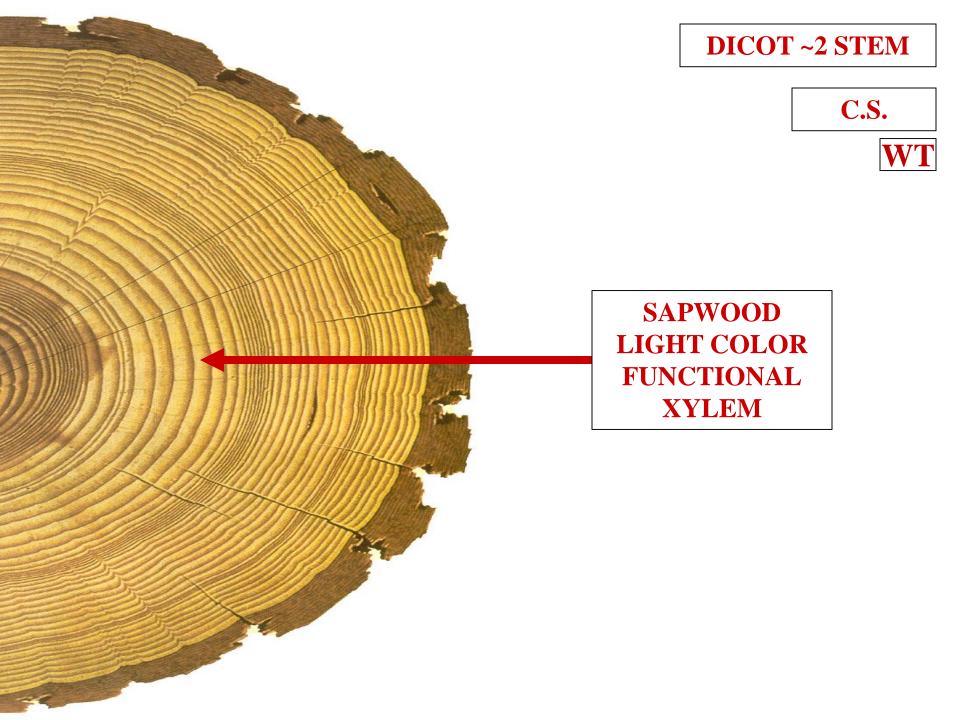
LIGHT COLORED FUNCTIONAL XYLEM

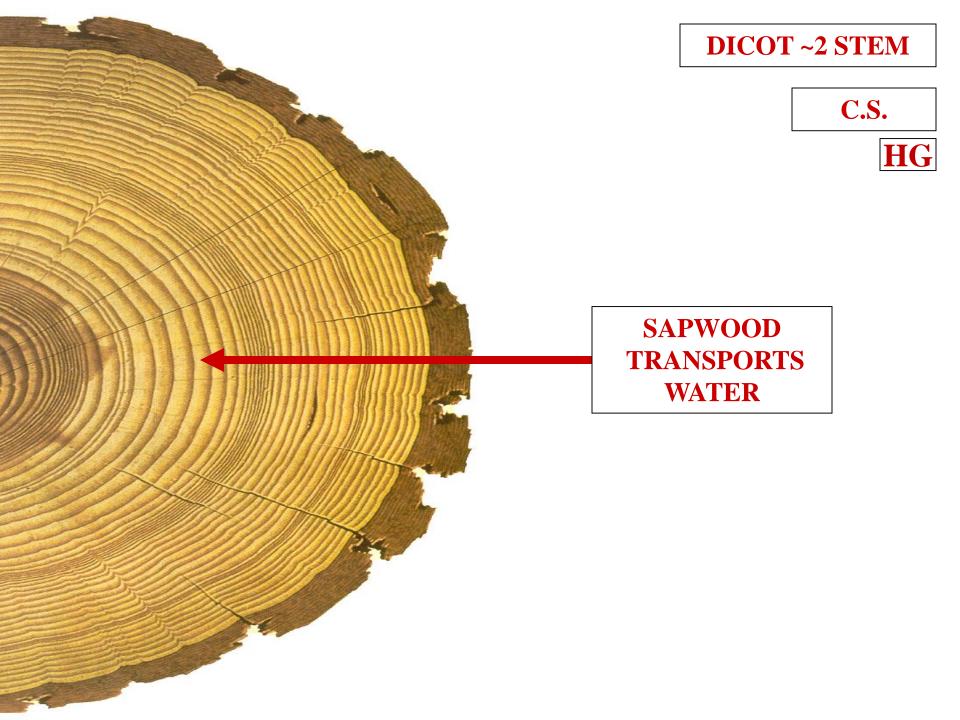
TRANSPORTS WATER

HIGH GRADE LUMBER

WOOD TYPES SAPWOOD









HEARTWOOD

+

DARK COLORED NON-FUNCTIONAL XYLEM

WOOD TYPES HEARTWOOD

WOOD TYPES HEARTWOOD

+

DARK COLORED NON-FUNCTIONAL XYLEM ---

STORES METABOLIC WASTE

WOOD TYPES HEARTWOOD

WOOD TYPES HEARTWOOD

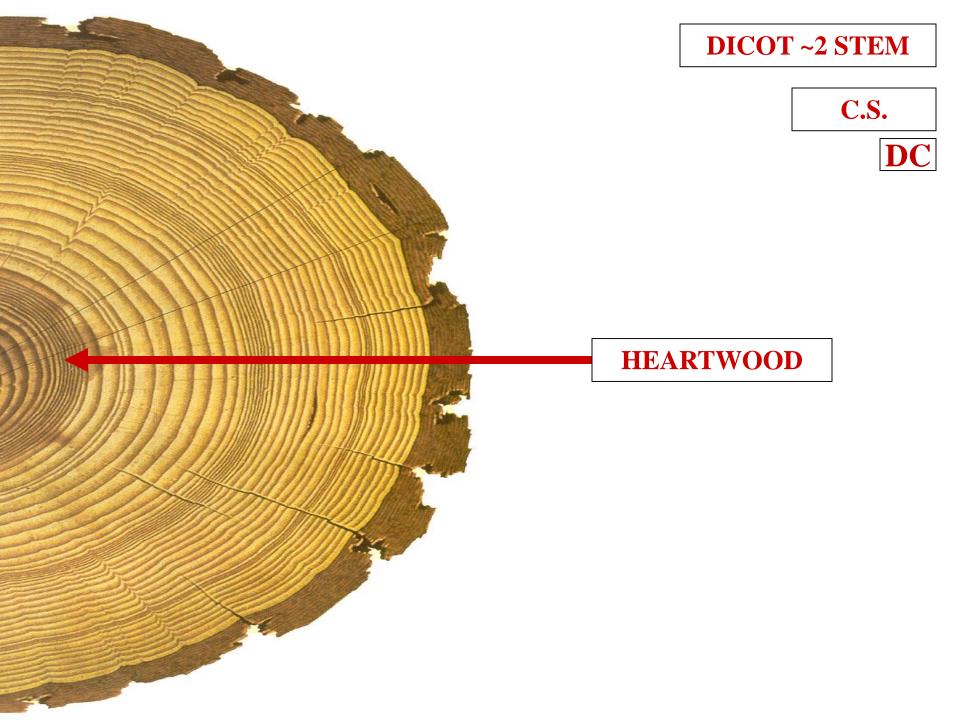


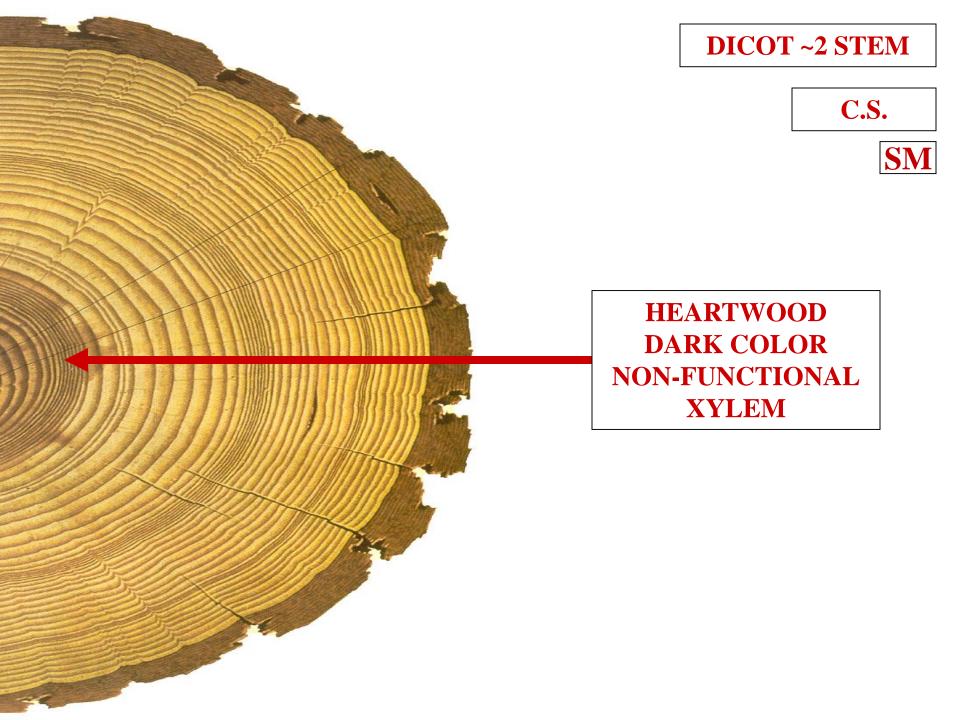
DARK COLORED NON-FUNCTIONAL XYLEM

STORES METABOLIC WASTE

LOW GRADE LUMBER

WOOD TYPES HEARTWOOD









SOFTWOOD VS HARDWOOD

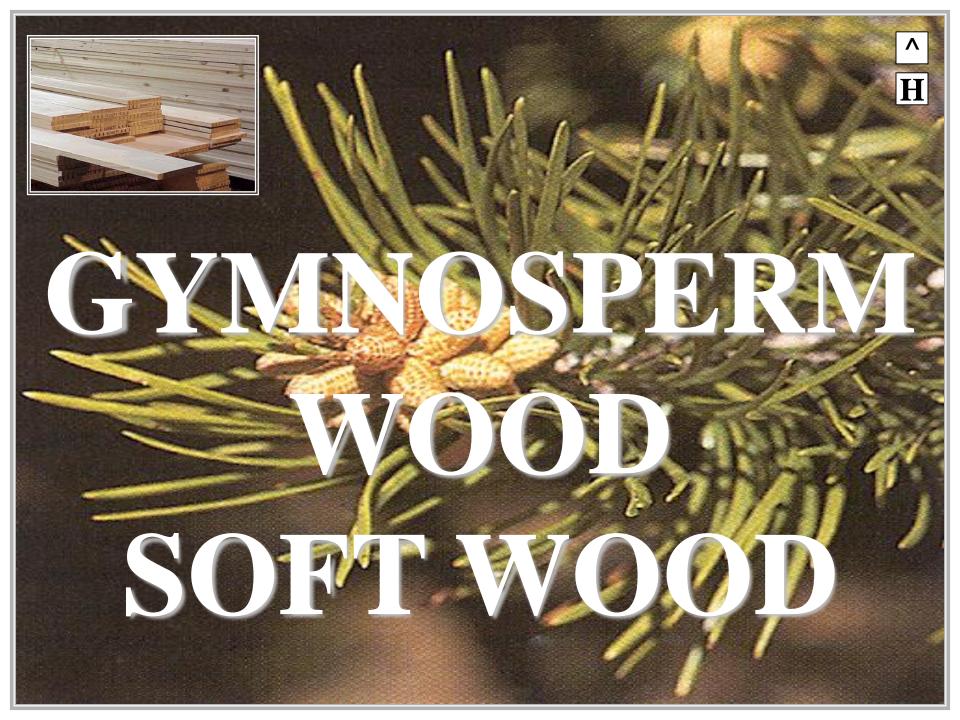
SOFTWOOD

WOOD TYPES SOFTWOOD



GYMNOSPERM WOOD

WOOD TYPES SOFTWOOD



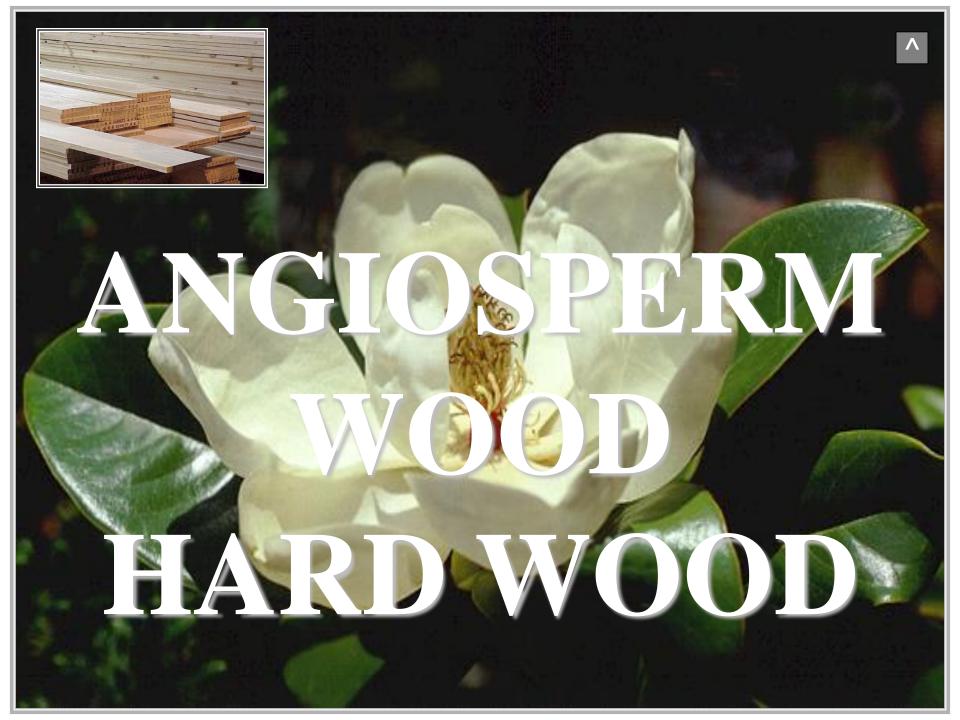
HARDWOOD

WOOD TYPES HARDWOOD



ANGIOSPERM WOOD

WOOD TYPES HARDWOOD



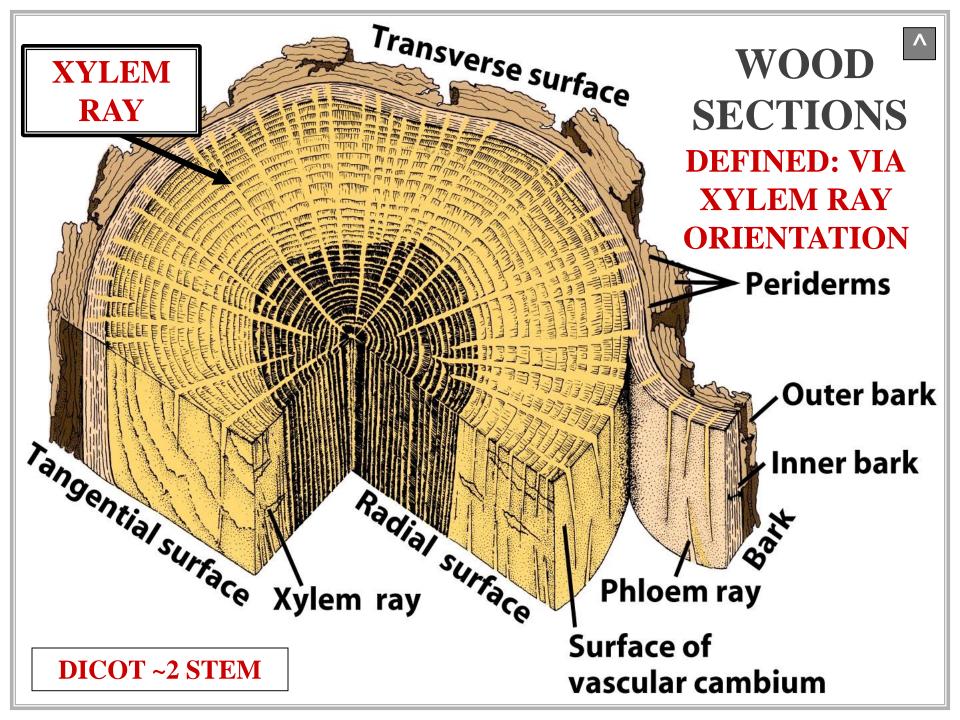
WOOD SECTIONS

TRANSVERSE WOOD SECTION

TRANSVERSE WOOD SECTION RADIAL WOOD SECTION



TRANSVERSE WOOD SECTION RADIAL WOOD SECTION TANGENTIAL WOOD SECTION



TRANSVERSE WOOD SECTION

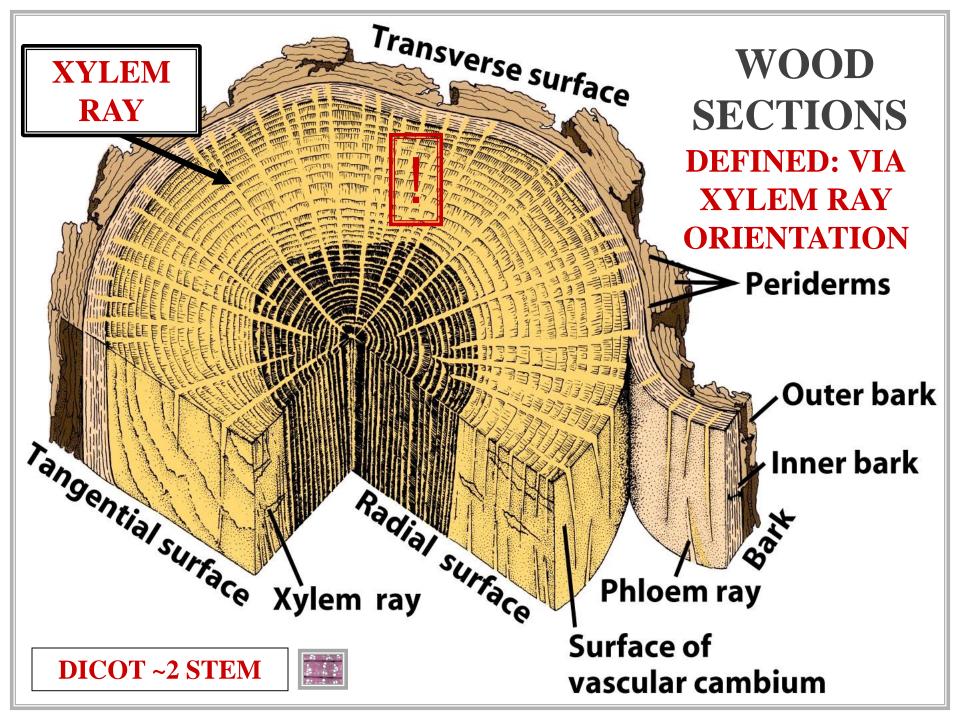
TRANSVERSE WOOD SECTION

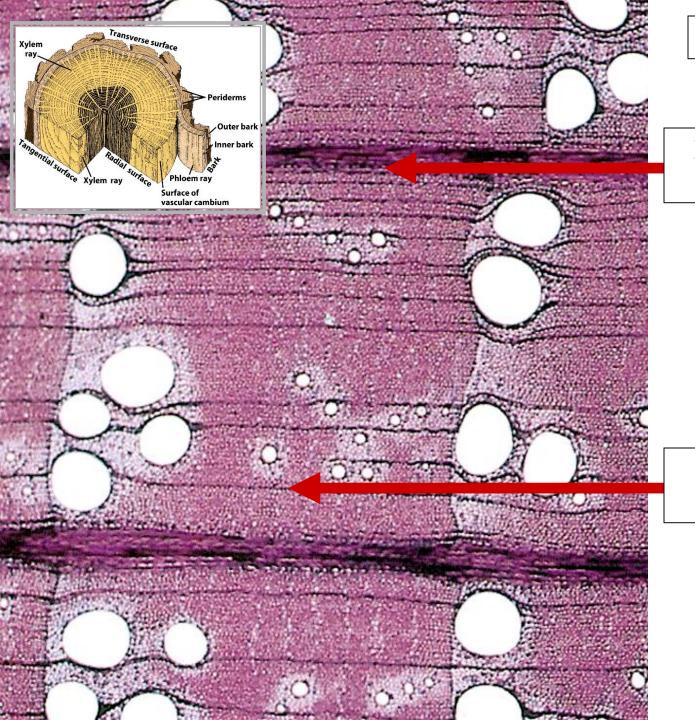
TRANSVERSE WOOD SECTION



CROSS SECTION

TRANSVERSE WOOD SECTION





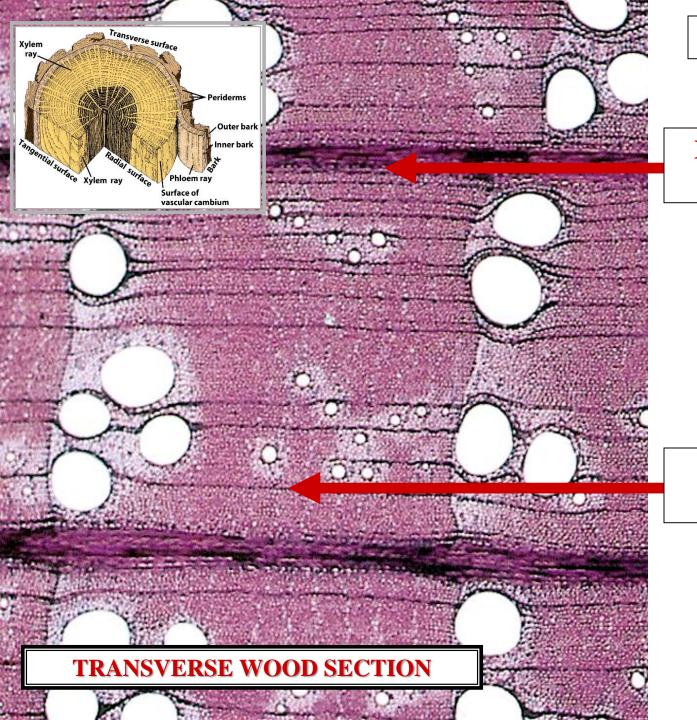
DICOT ~2 STEM





MULTISERIATE XYLEM RAY

> **UNISERIATE XYLEM RAY**



DICOT ~2 STEM



MULTISERIATE XYLE RAY

UNISERIATE XYLEM RAY



RADIAL WOOD SECTION

RADIAL WOOD SECTION

RADIAL WOOD SECTION

LONGITUDINAL SECTION THROUGH STEM CENTER

RADIAL WOOD SECTION

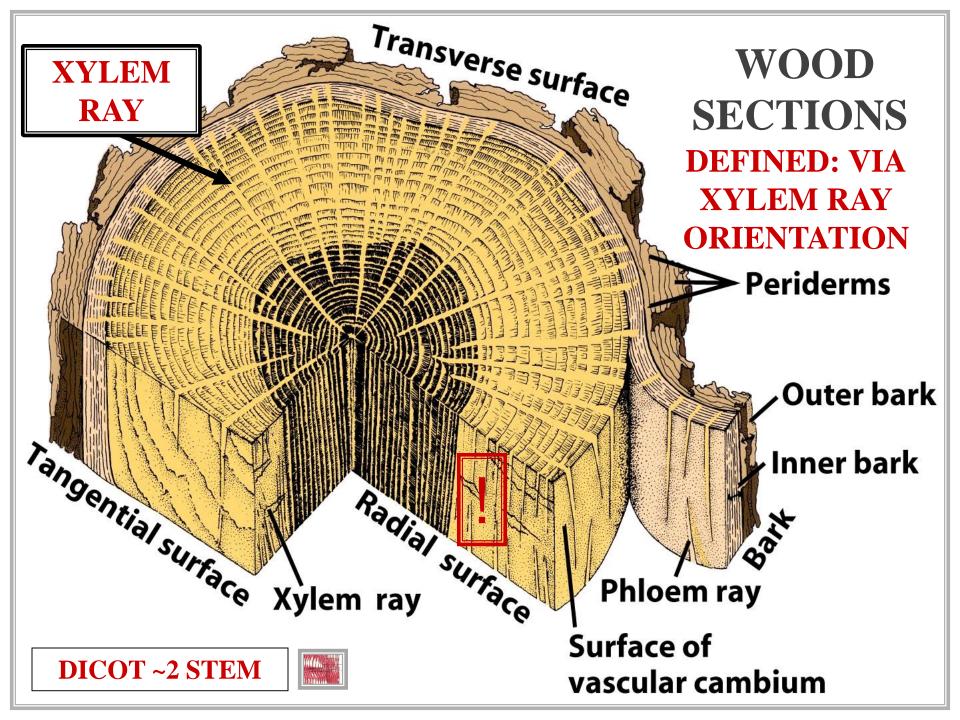


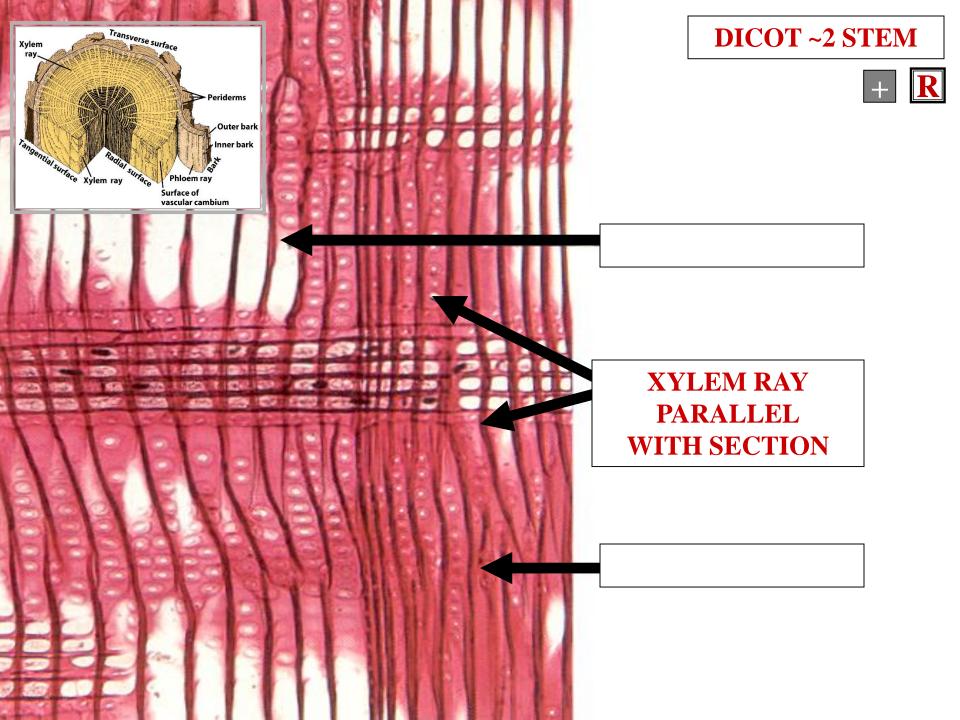


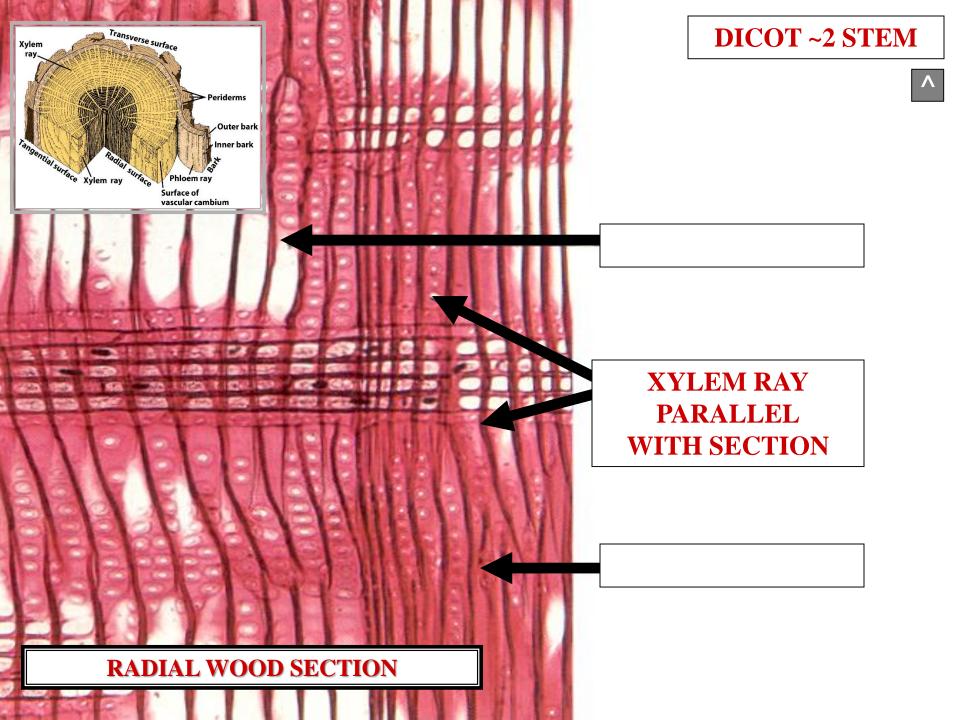
LONGITUDINAL SECTION THROUGH STEM CENTER

XYLEM RAYS
PARALLEL WITH SECTION

RADIAL
WOOD SECTION







LONGITUDINAL SECTION OFF STEM CENTER

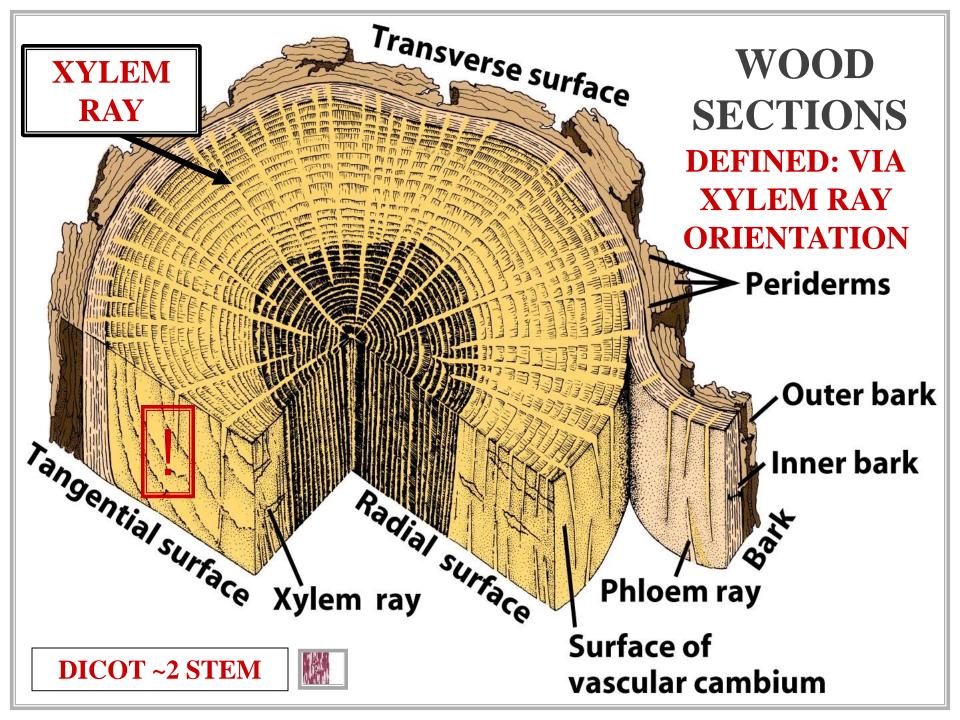
TANGENTIAL WOOD SECTION

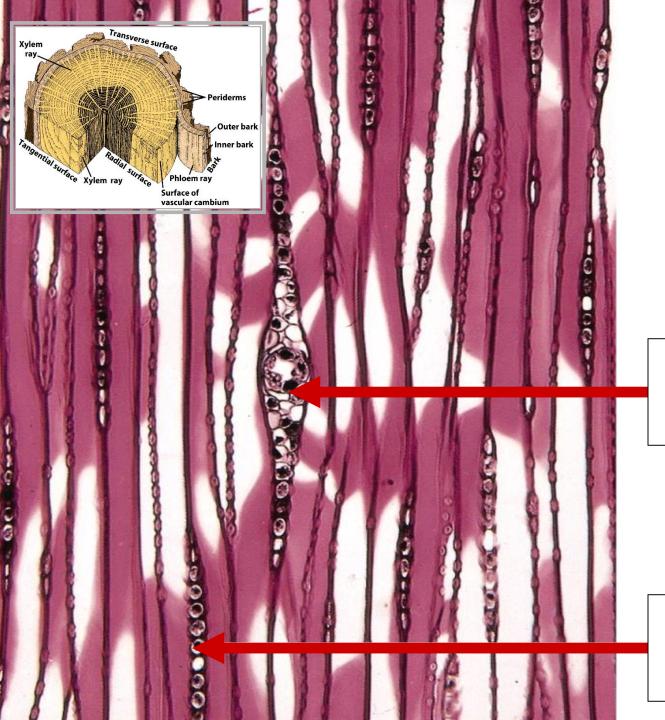


LONGITUDINAL SECTION OFF STEM CENTER

XYLEM RAYS
PERPENDICULAR WITH SECTION

TANGENTIAL WOOD SECTION





DICOT ~2 STEM

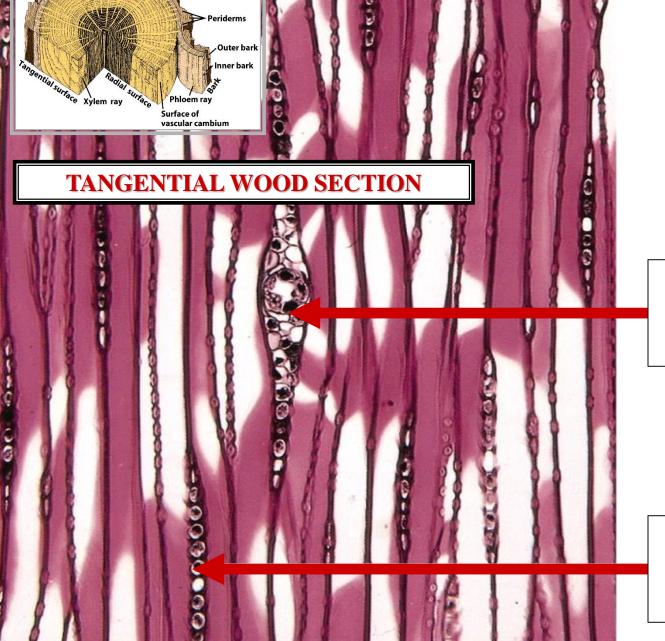




XYLEM RAY PERPENDICULAR WITH SECTION

XYLEM RAY PERPENDICULAR WITH SECTION





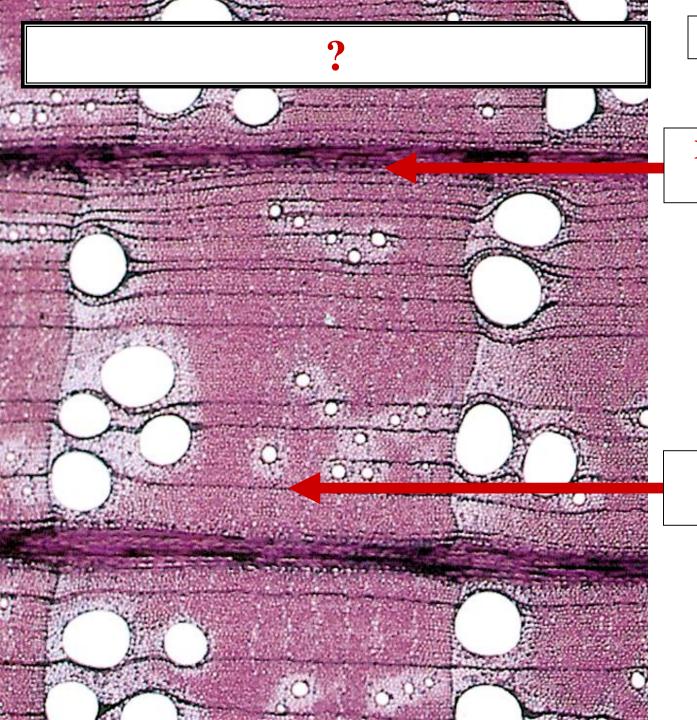
Transverse surface

Xylem

XYLEM RAY
PERPENDICULAR
WITH SECTION

XYLEM RAY
PERPENDICULAR
WITH SECTION

WOOD SECTIONS SUMMARY



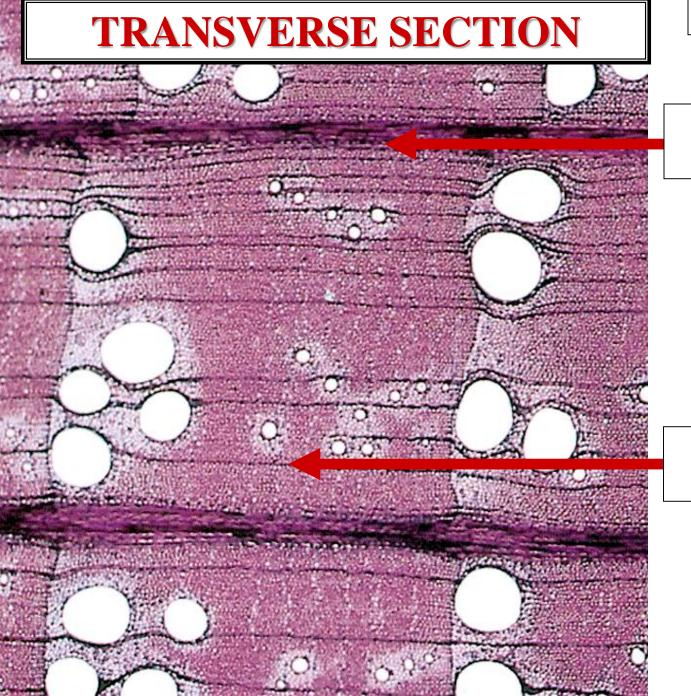
DICOT ~2 STEM

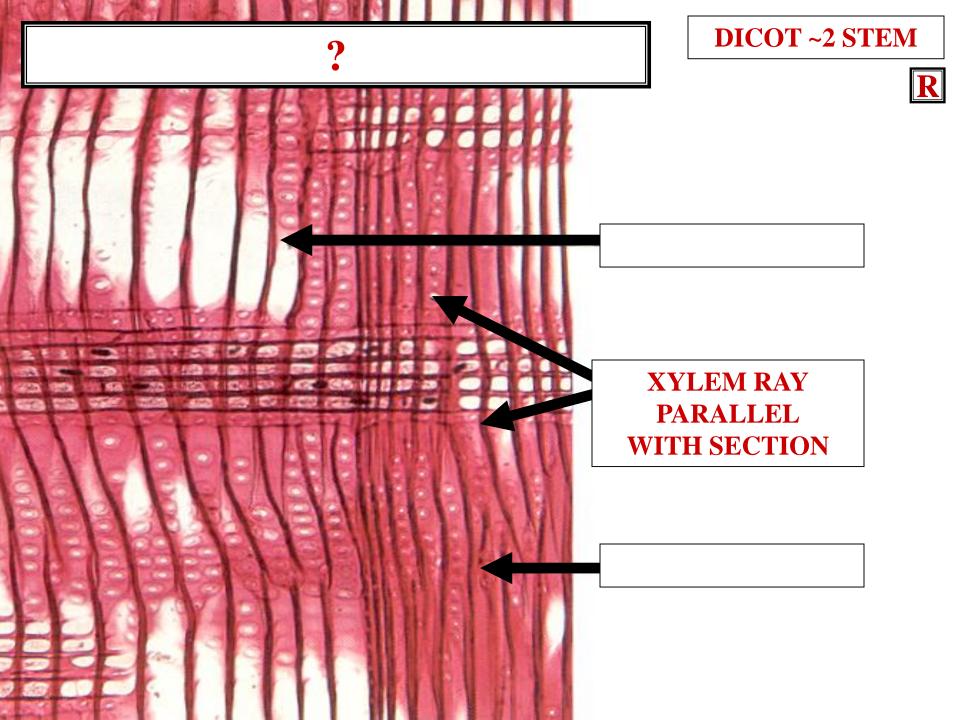
MULTISERIATE XYLEM RAY

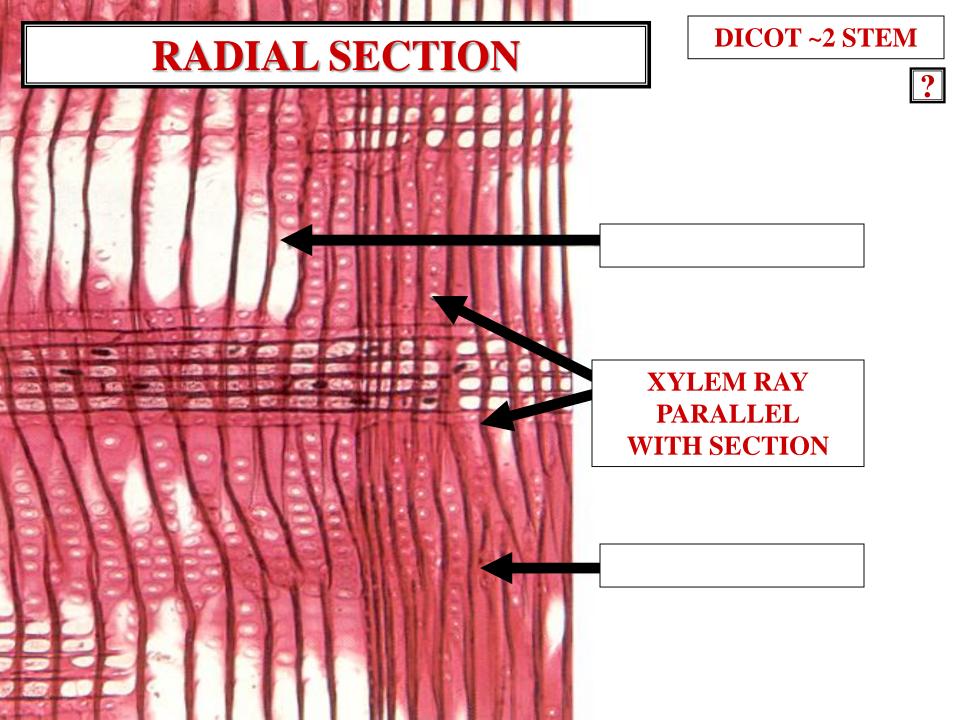
UNISERIATE XYLEM RAY

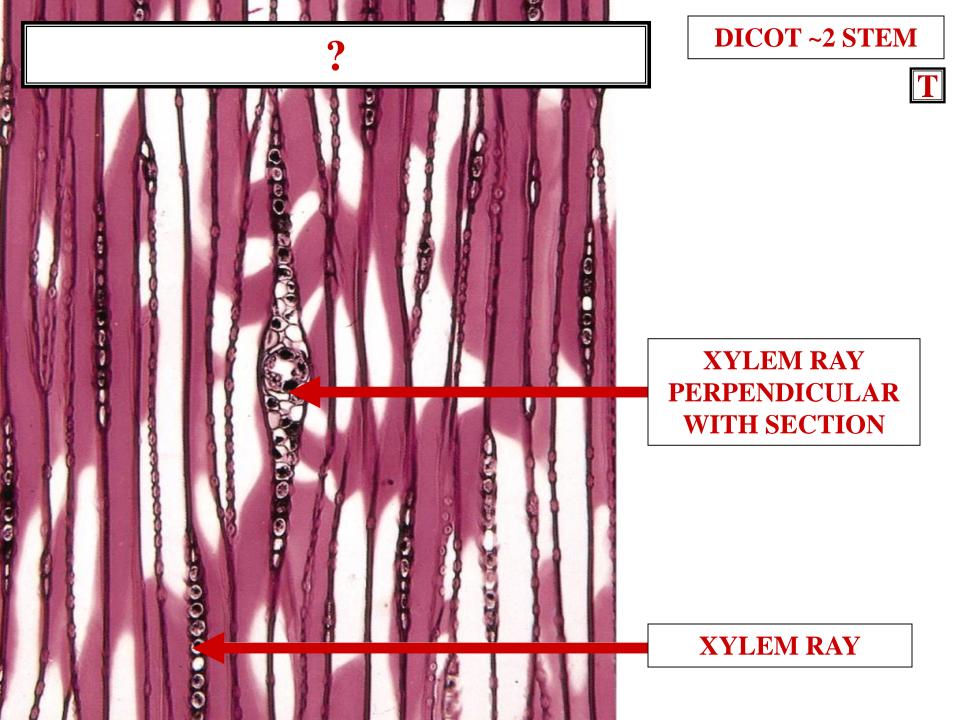


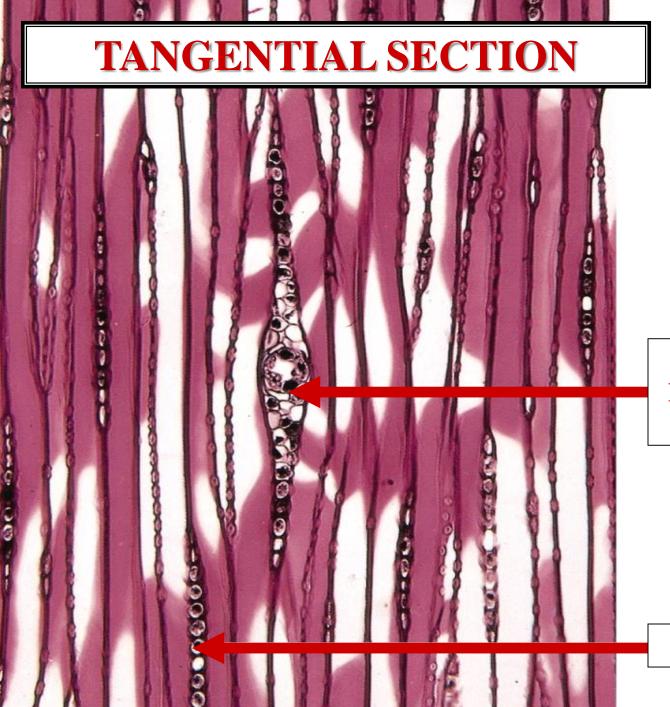
UNISERIATE XYLEM RAY











DICOT ~2 STEM



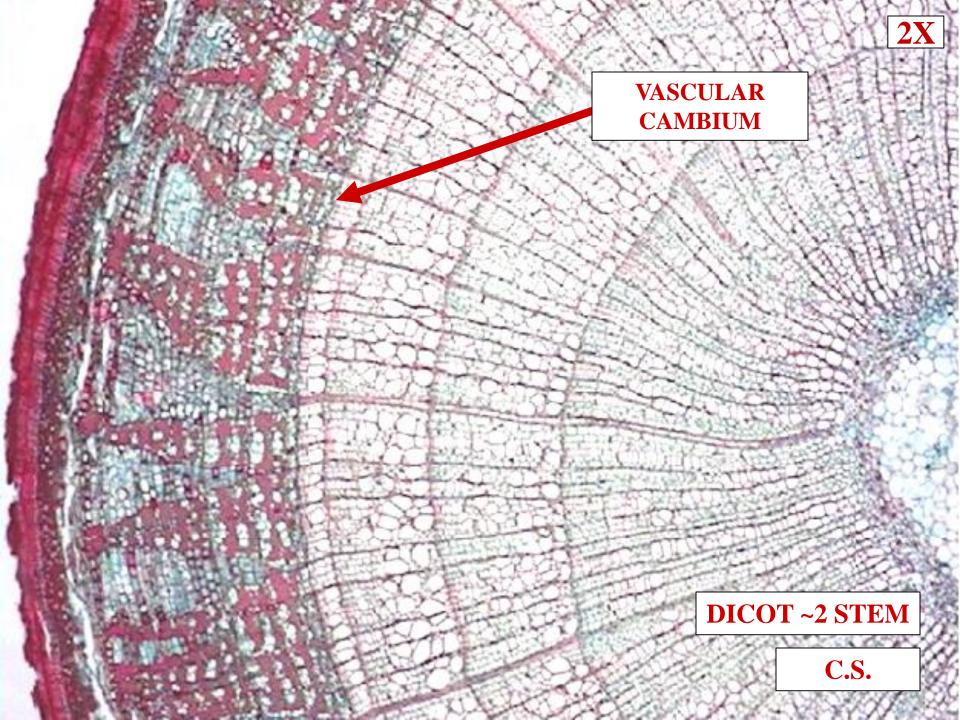
VC

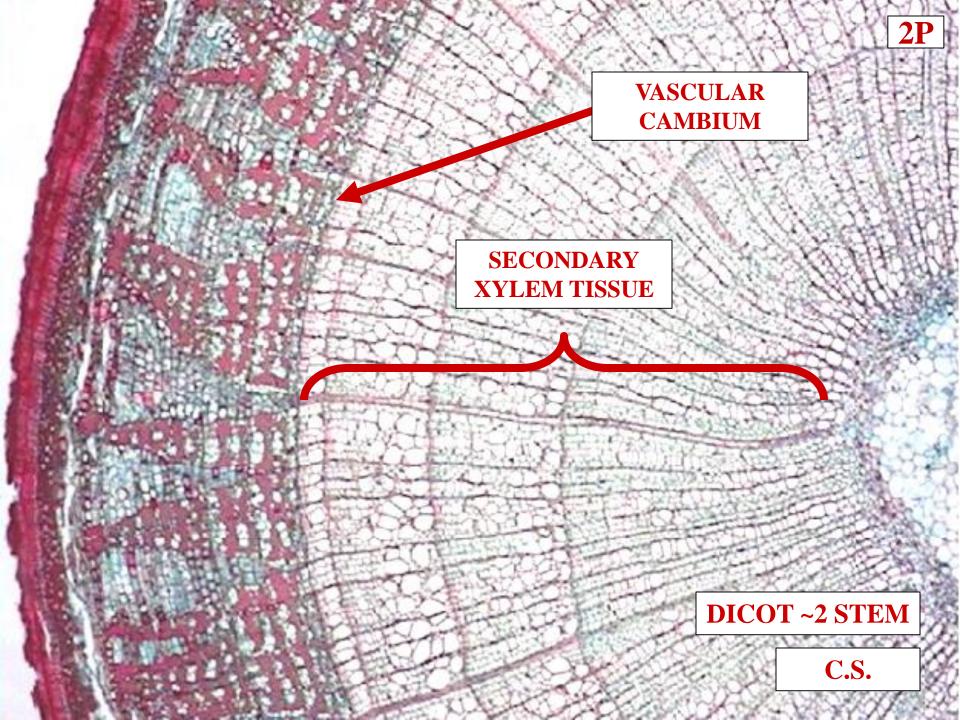
XYLEM RAY
PERPENDICULAR
WITH SECTION

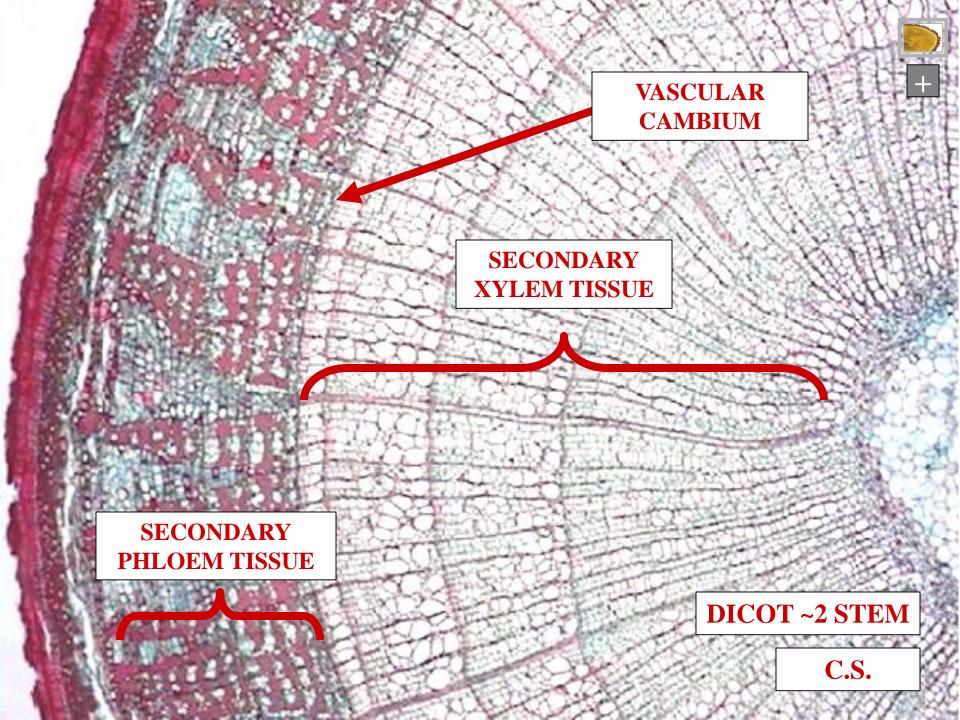
XYLEM RAY

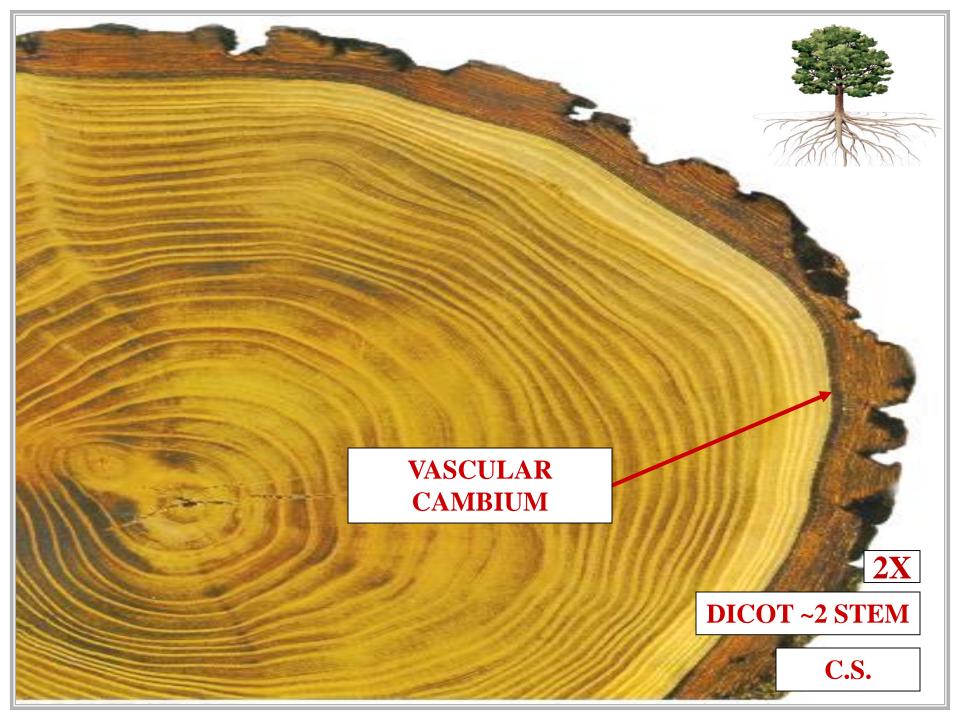


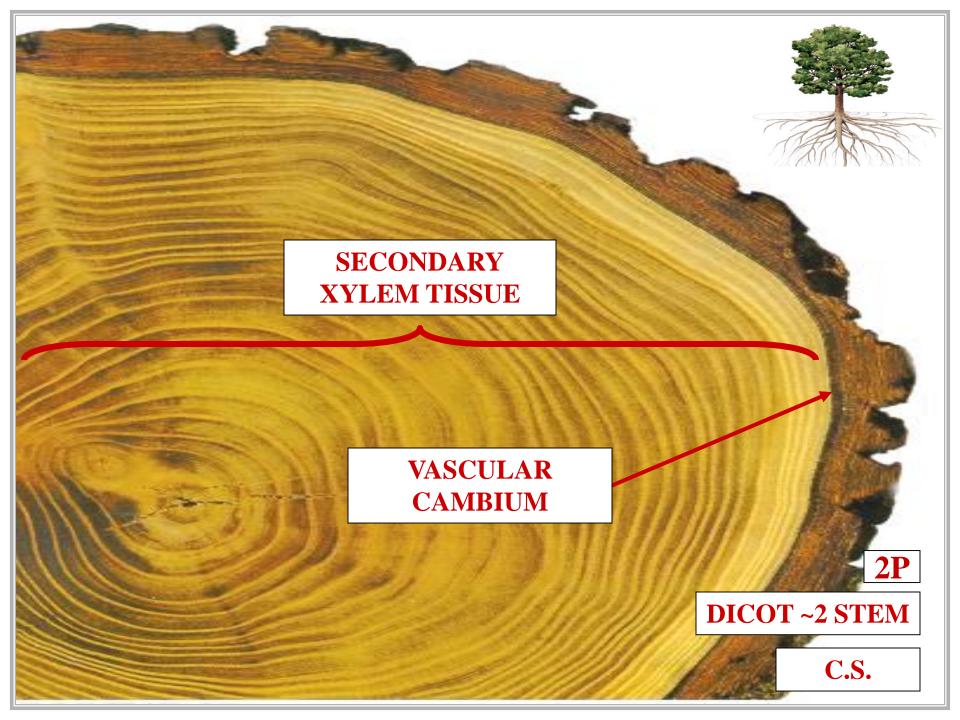
VASCULAR **CAMBIUM** ACTIVITY SUMMARY

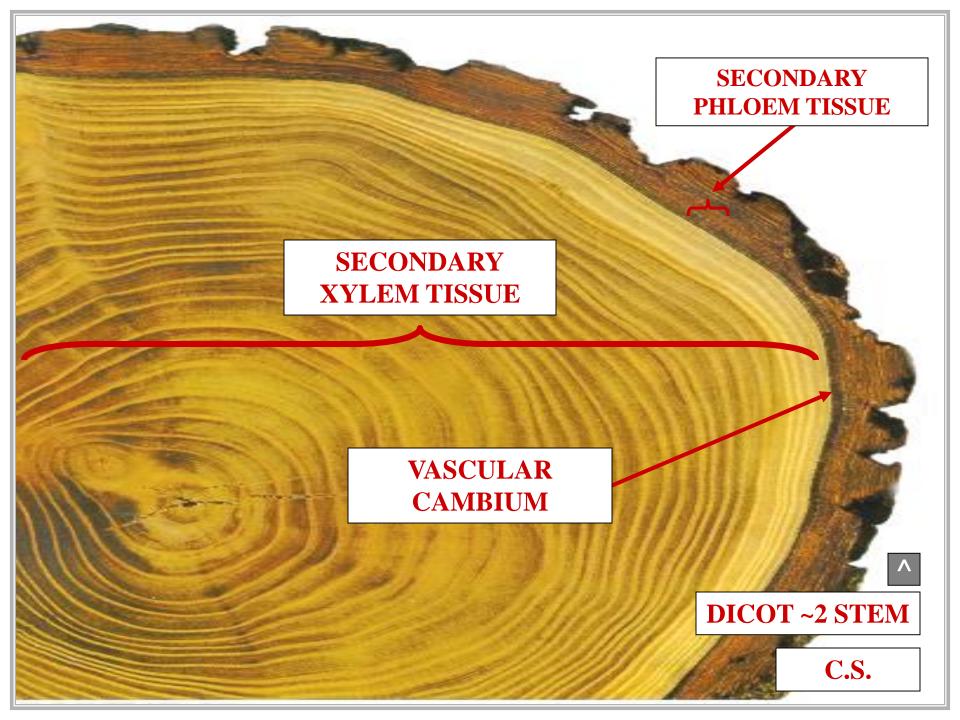












SECONDARY PHLOEM TISSUE

SECONDARY PHLOEM CELL TYPES

FIBERS

FIBERS SIEVE MEMBERS

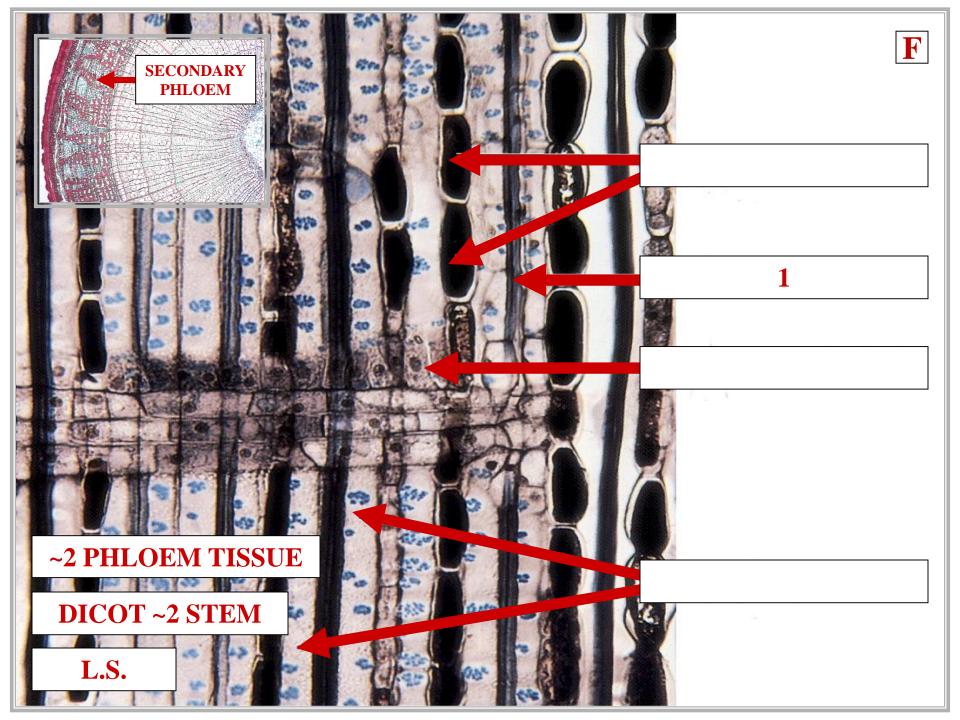
FIBERS
SIEVE MEMBERS
COMPANION CELLS

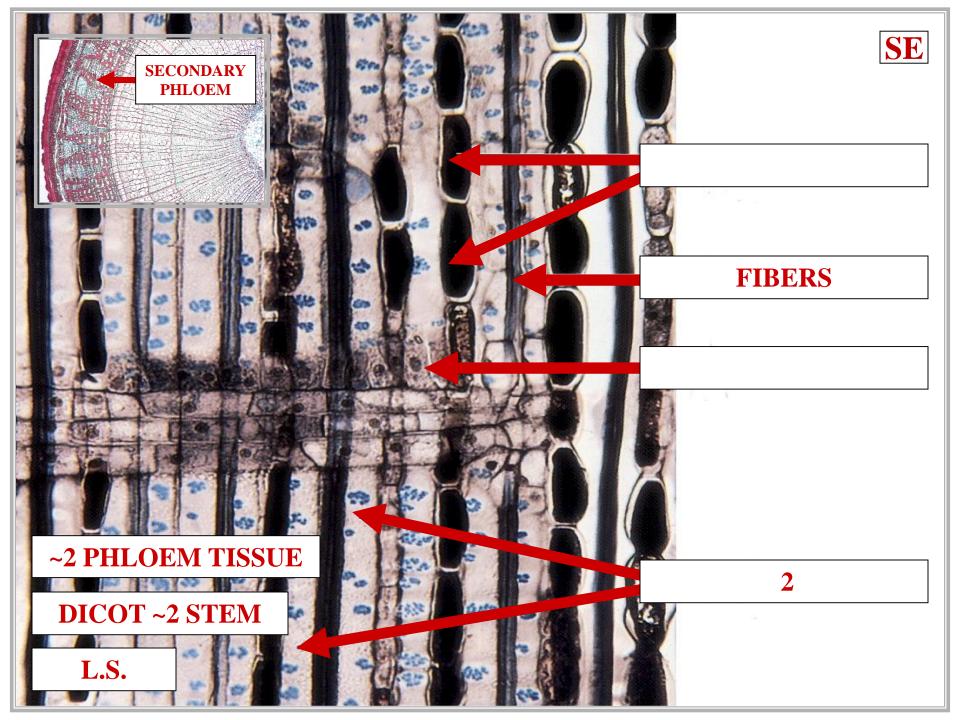


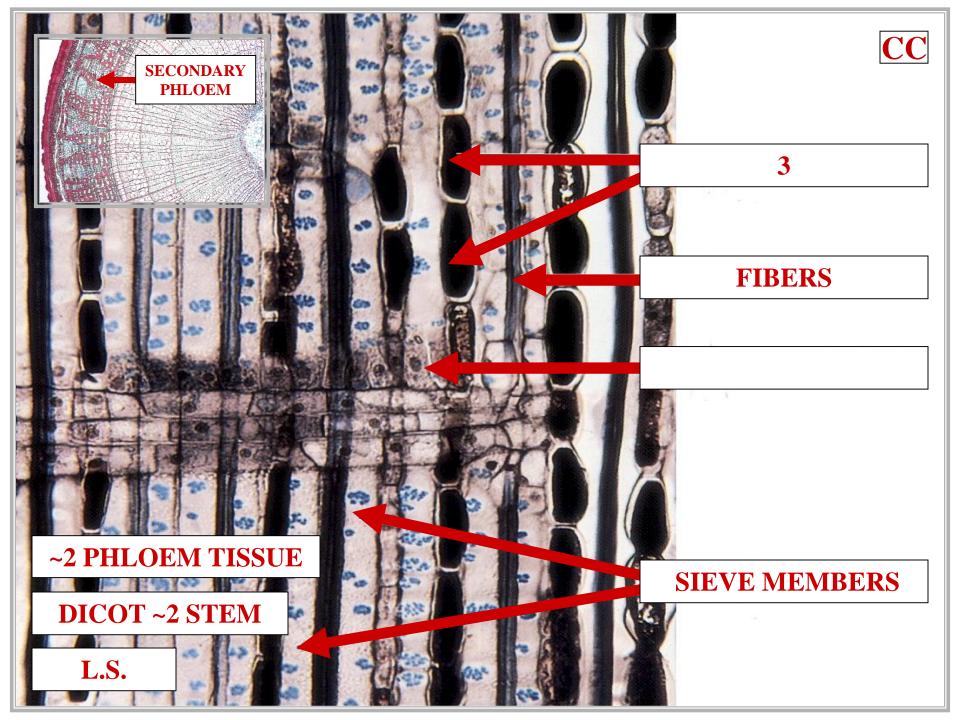
FIBERS
SIEVE MEMBERS
COMPANION CELLS
PARENCHYMA

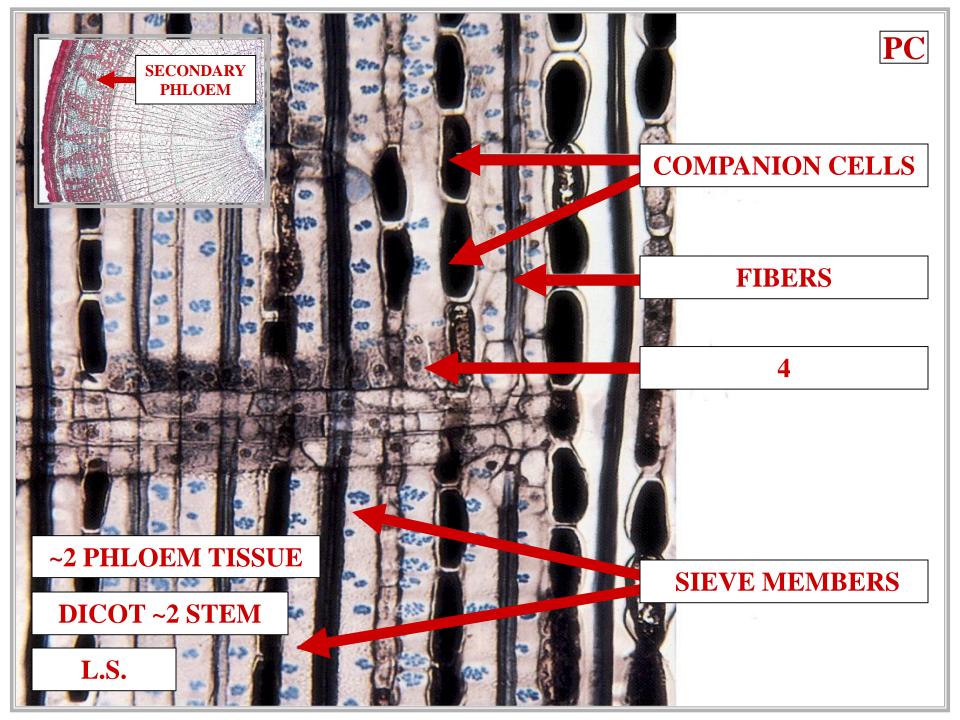


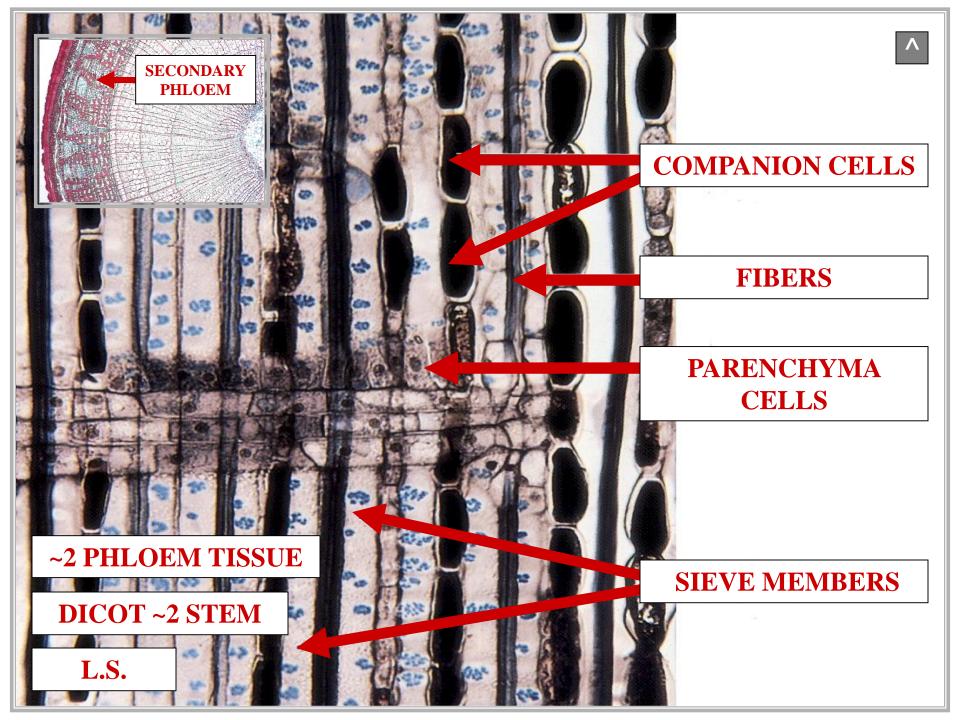
SECONDARY PHLOEM CELL TYPES APPLIED











SECONDARY PHLOEM PARENCHYMA CELL TYPES

SECONDARY PHLOEM PARENCHYMA TYPES

AXIAL PARENCHYMA

SECONDARY PHLOEM PARENCHYMA TYPES

SECONDARY PHLOEM PARENCHYMA TYPES

AXIAL PARENCHYMA RAY PARENCHYMA

SECONDARY PHLOEM PARENCHYMA TYPES



SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA

AXIAL PARENCHYMA

SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA

VERTICAL ORIENTATION

SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA

SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA

VERTICAL ORIENTATION

VERTICAL TRANSPORT

SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA

SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA

VERTICAL ORIENTATION

VERTICAL TRANSPORT

FUSIFORM INITIAL DERIVED

SECONDARY PHLOEM TISSUE AXIAL PARENCHYMA