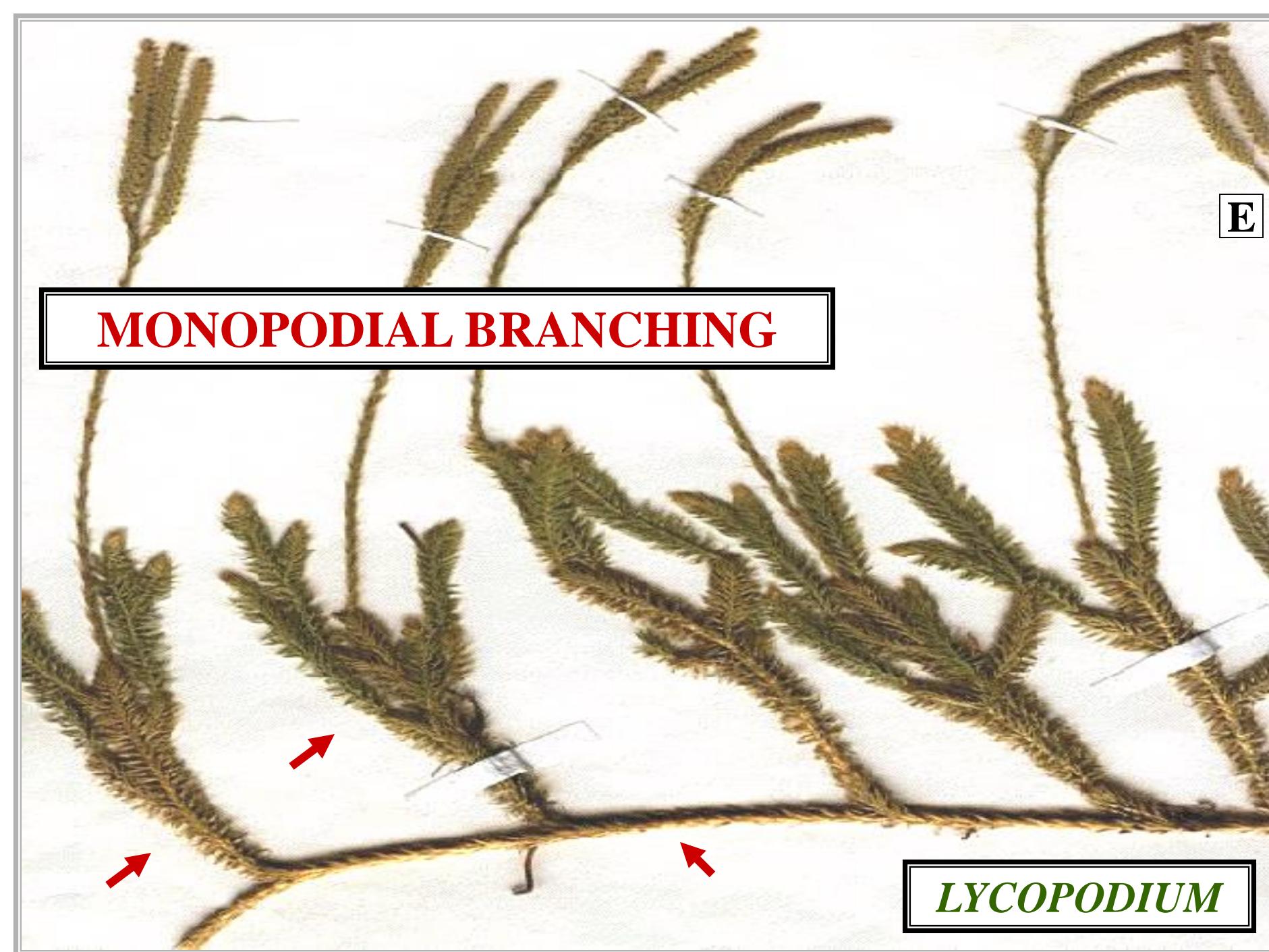


E

MONOPODIAL BRANCHING

LYCOPodium



EXCURRENT BRANCHING



**TRACHEOPHYTE
STEM BRANCHING
EXCURRENT**

**MAIN AXIS WITH
INHIBITED LATERALS**

**TRACHEOPHYTE
STEM BRANCHING
EXCURRENT**

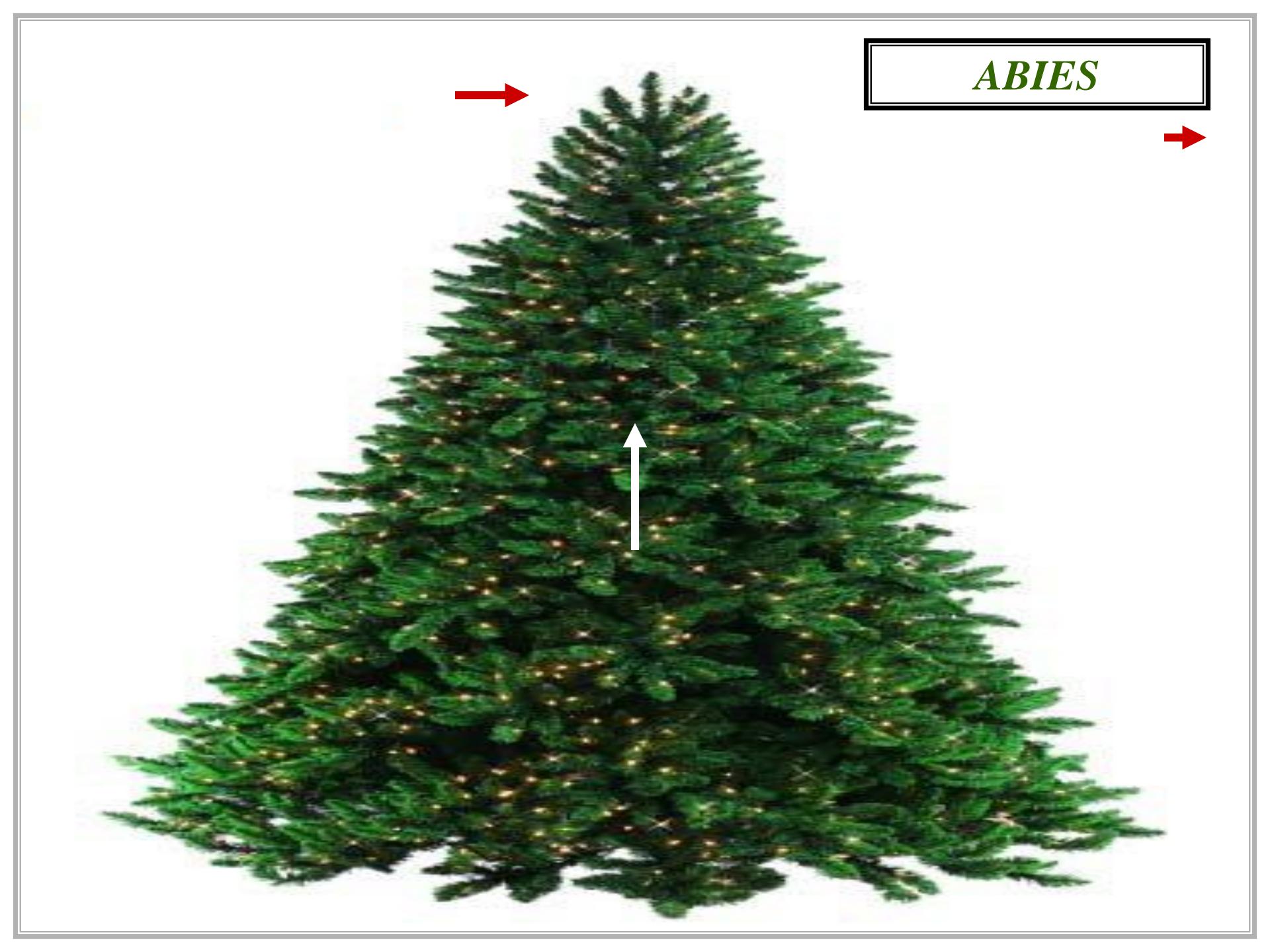
ABIES





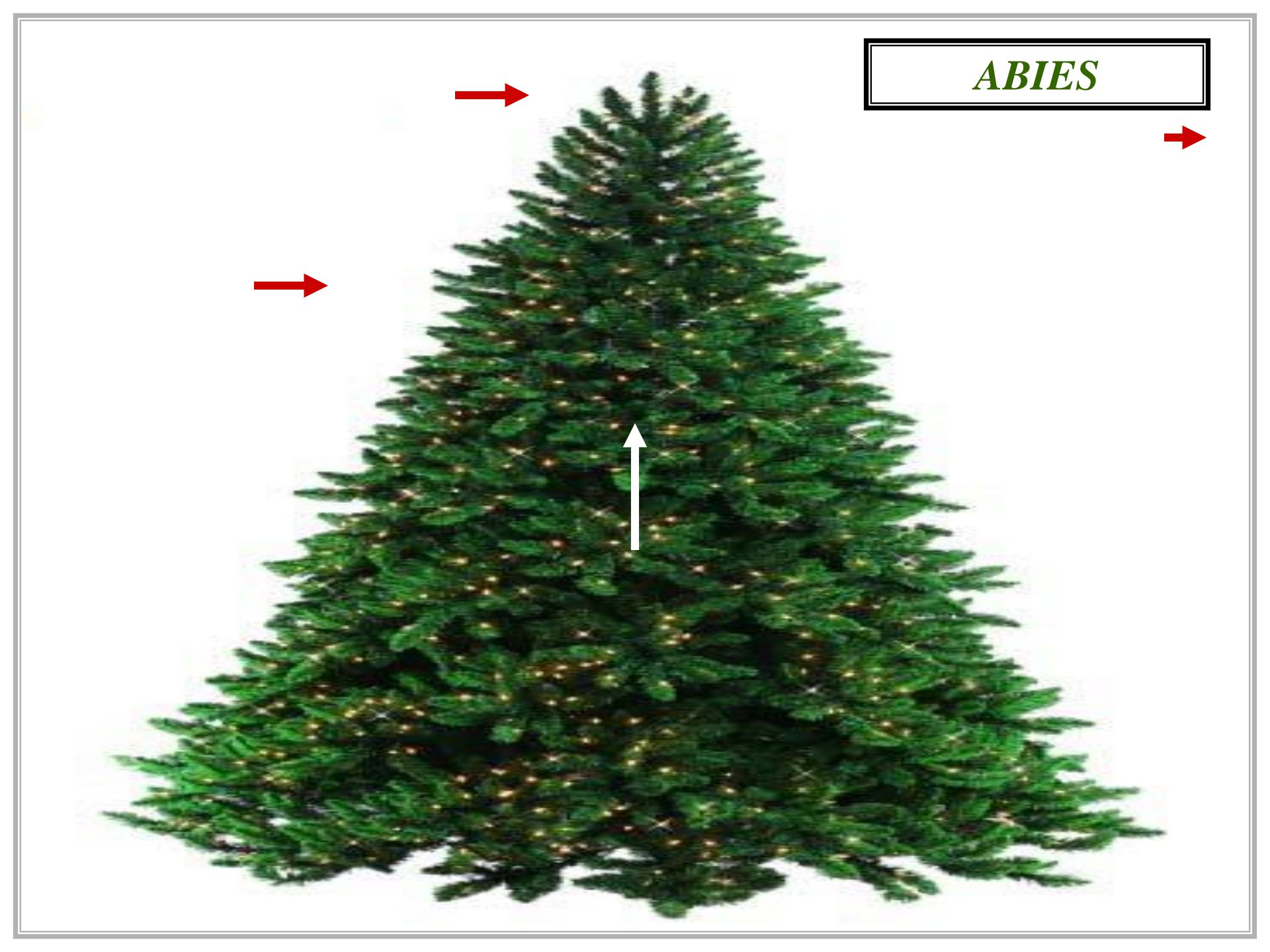
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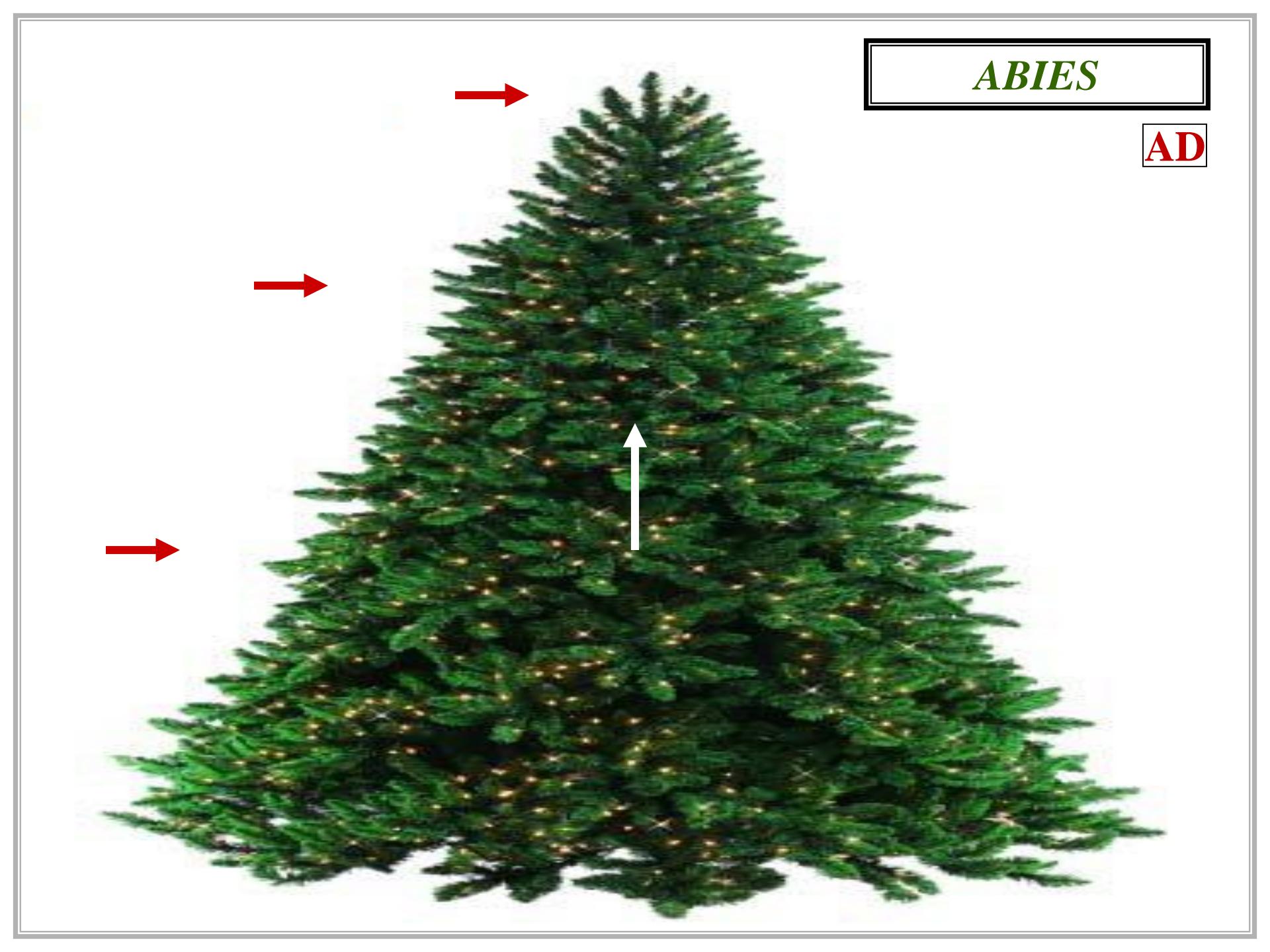
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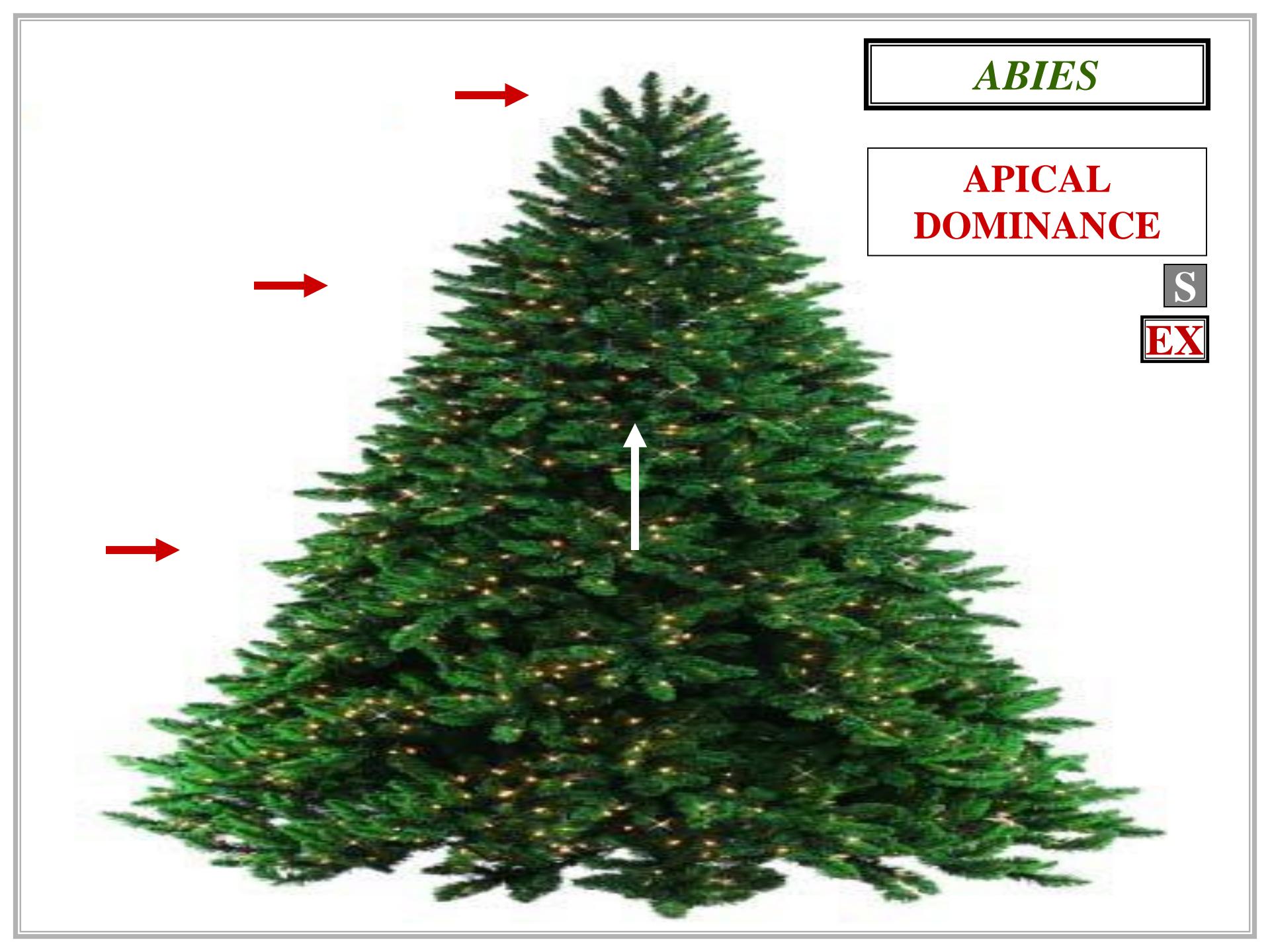
ABIES





ABIES

AD

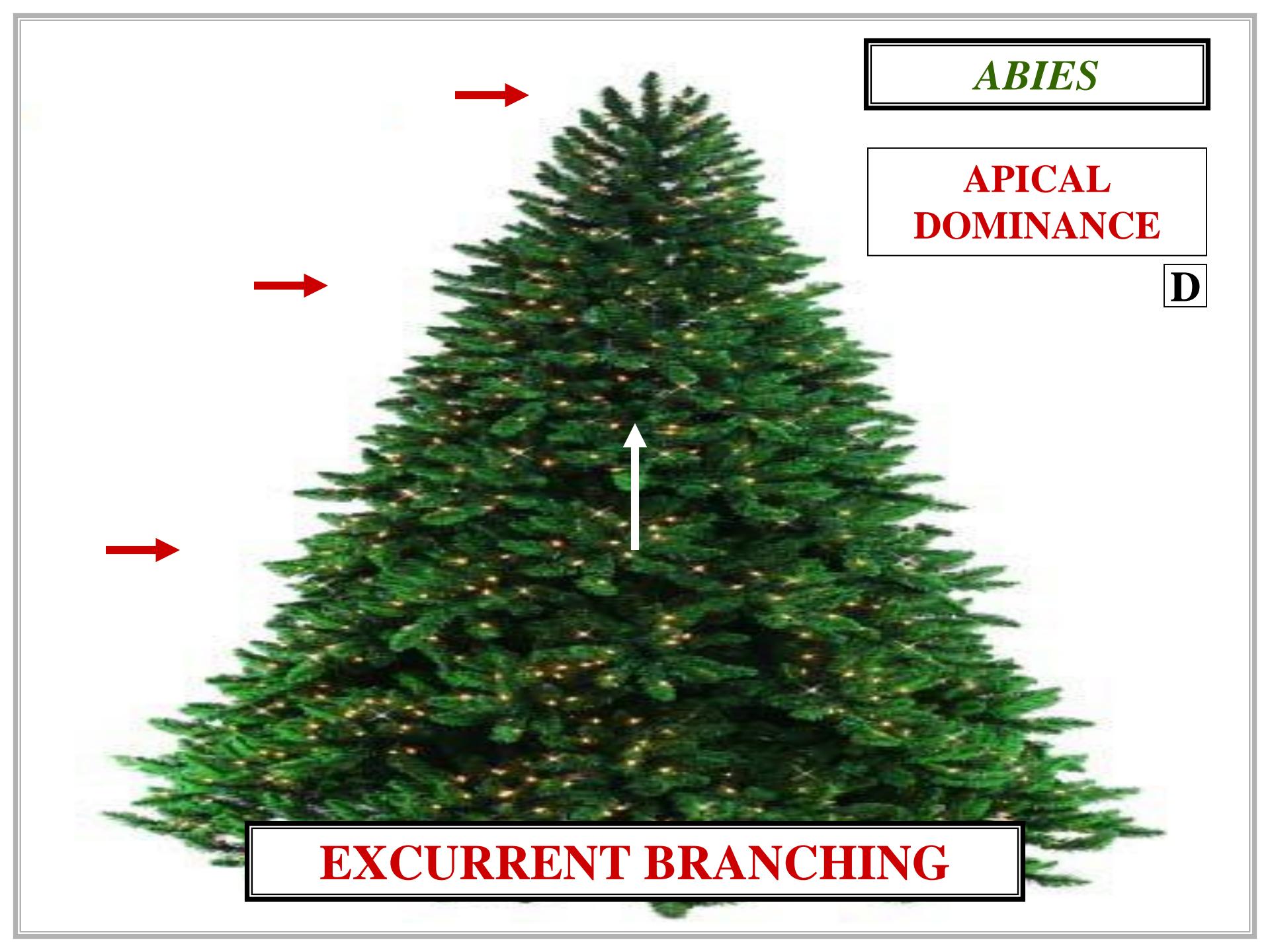


ABIES

**APICAL
DOMINANCE**

S

EX



ABIES

APICAL
DOMINANCE

D

EXCURRENT BRANCHING

DELIQUESCENT BRANCHING



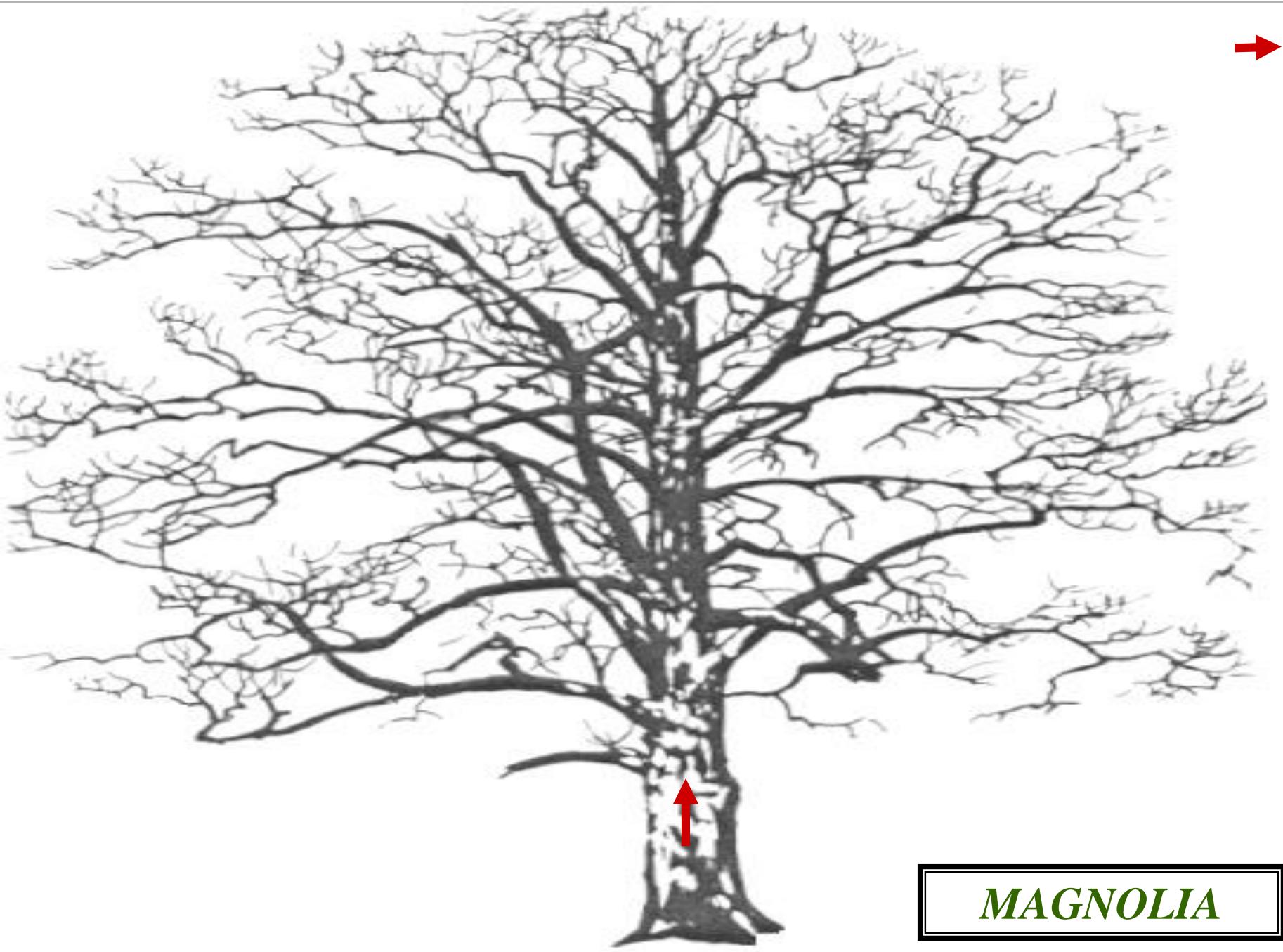
**TRACHEOPHYTE
STEM BRANCHING
DELIQUESCENT**

**MAIN AXIS WITH
NON-INHIBITED LATERALS**

**TRACHEOPHYTE
STEM BRANCHING
DELIQUESCENT**



MAGNOLIA



MAGNOLIA

S

DB



MAGNOLIA



DELIQUESCENT BRANCHING

MAGNOLIA

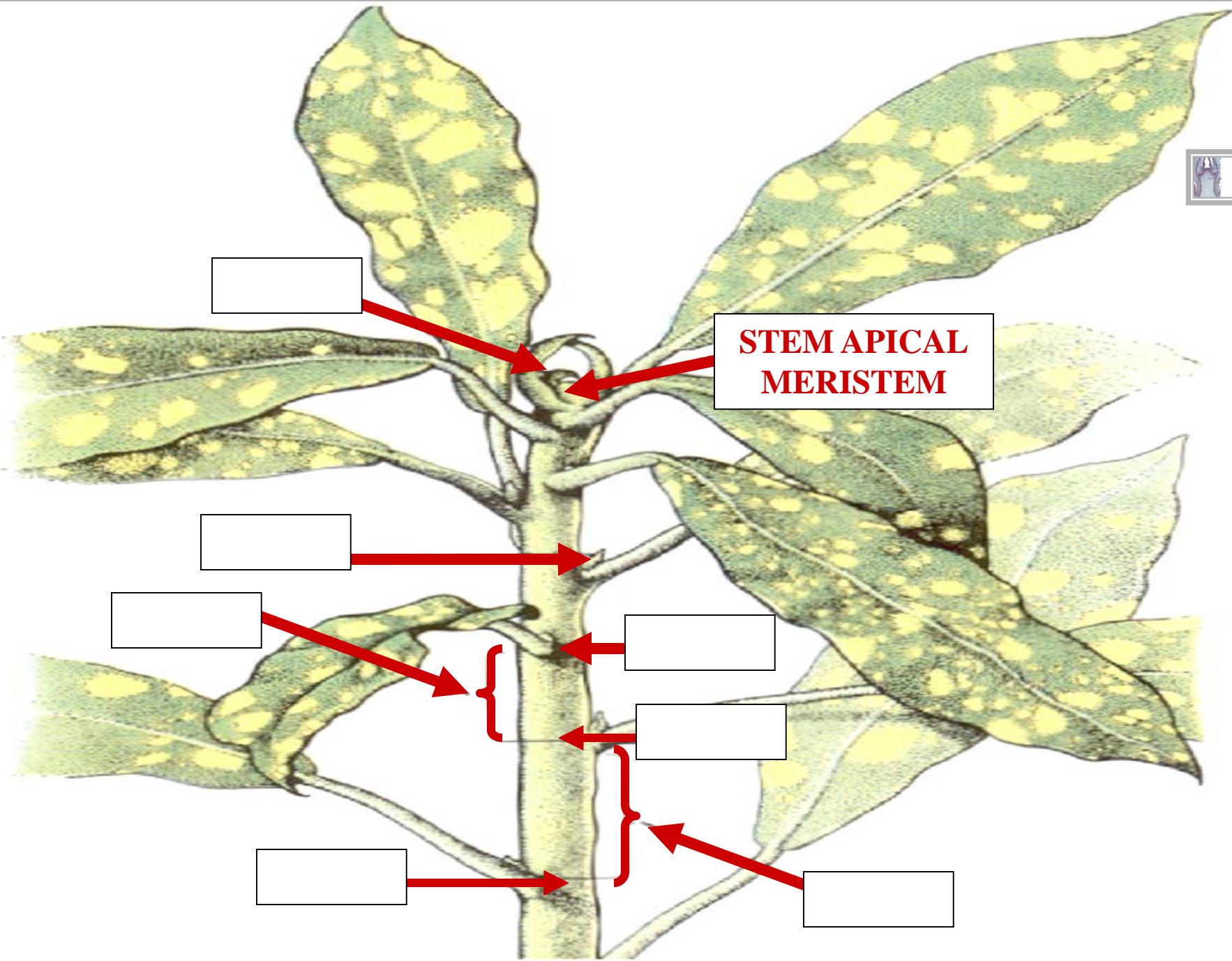
STEM ANATOMY

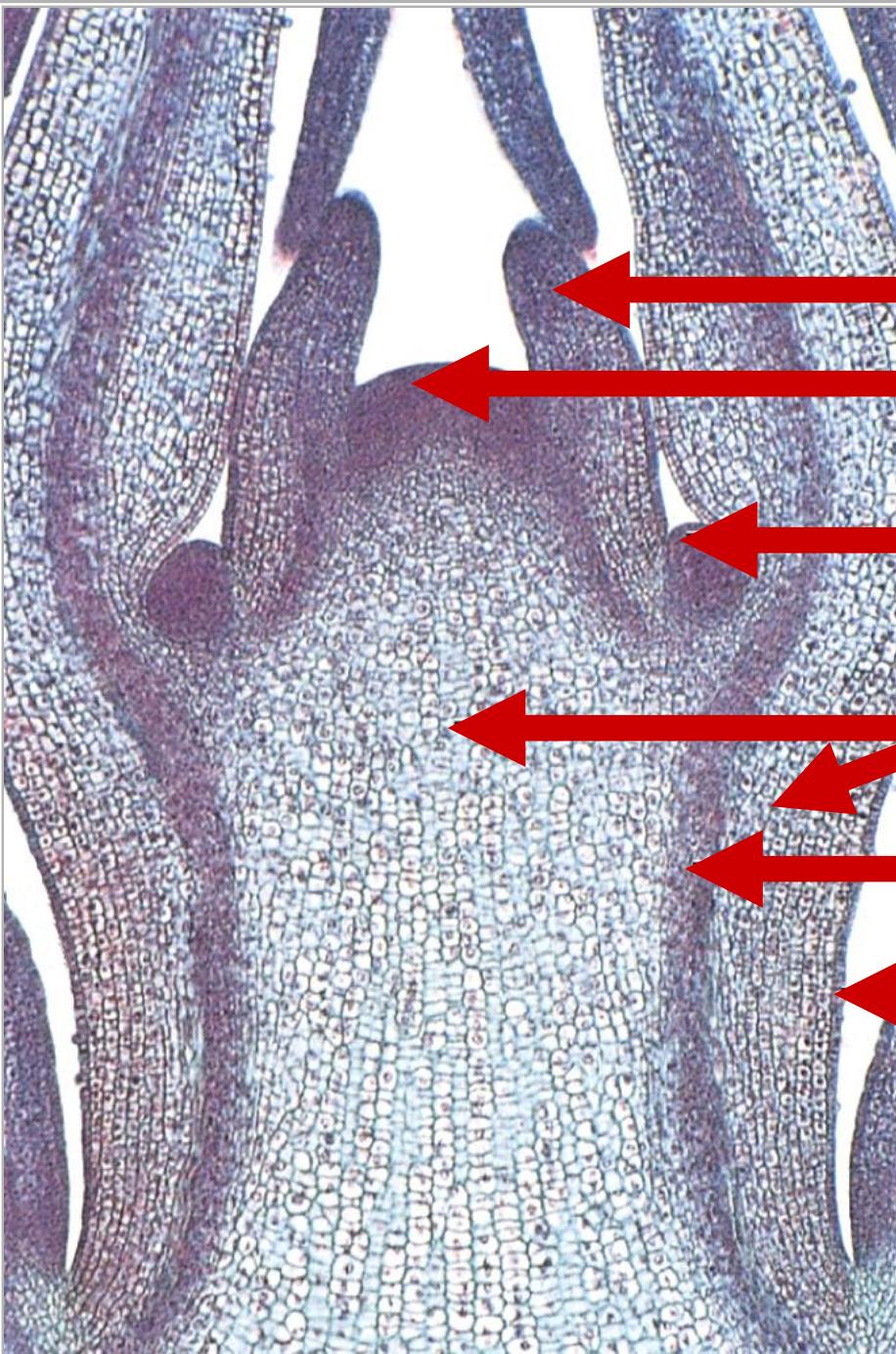


STEM APICAL MERISTEM



**STEM APICAL
MERISTEM**





STEM APICAL
MERISTEM

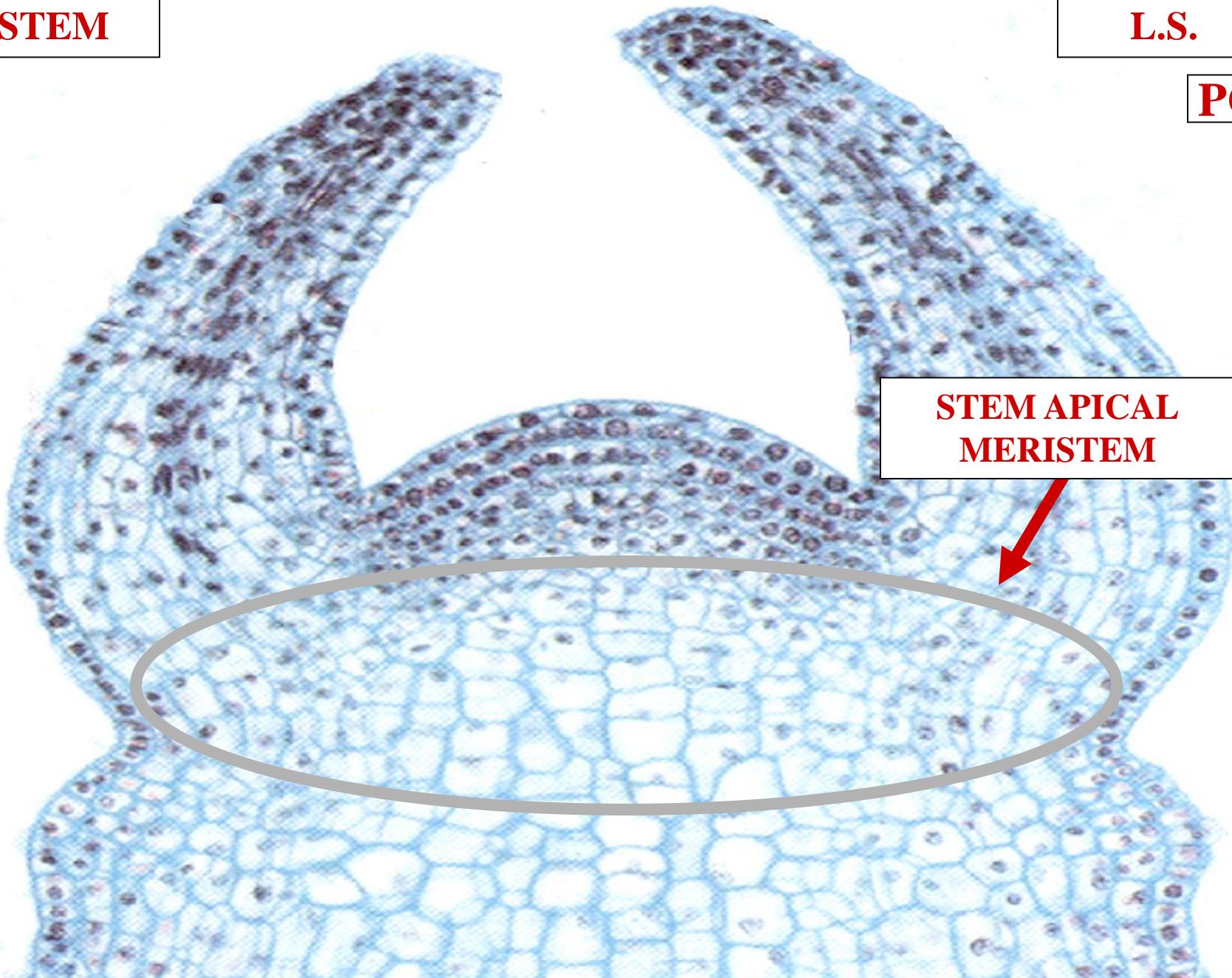
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STEM

STEM

L.S.

PC

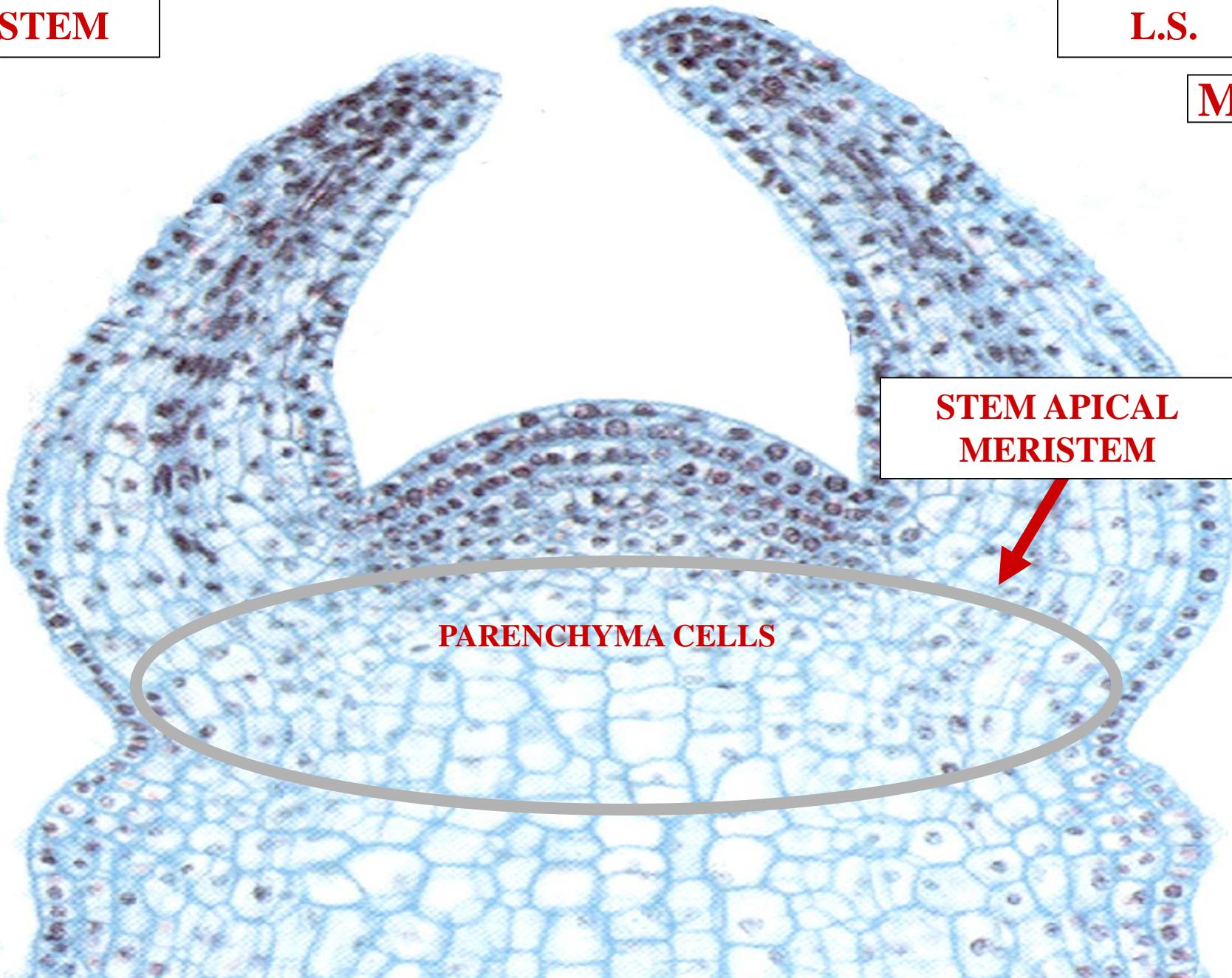


**STEM APICAL
MERISTEM**

STEM

L.S.

MI



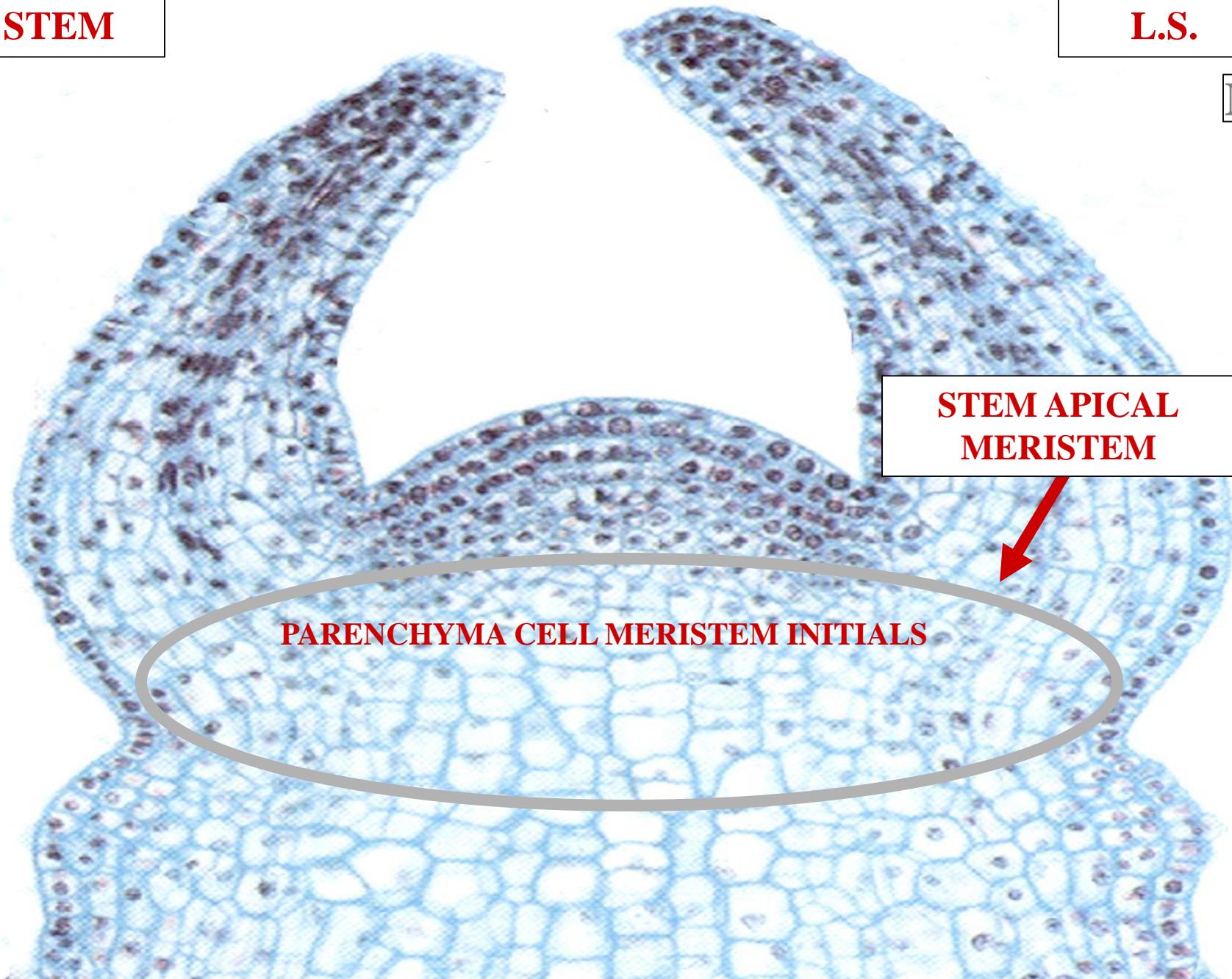
PARENCHYMA CELLS

**STEM APICAL
MERISTEM**

STEM

L.S.

M



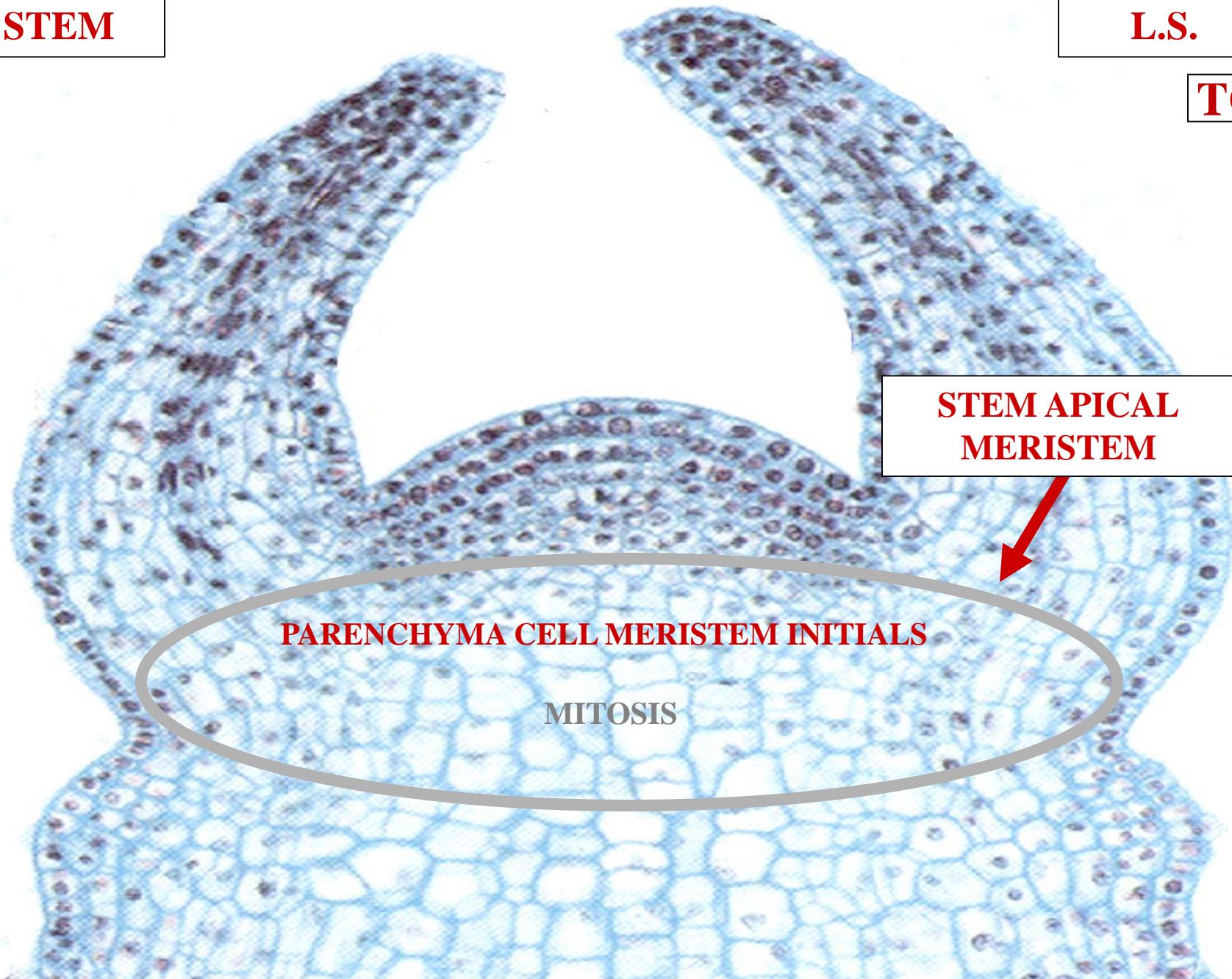
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**STEM APICAL
MERISTEM**

STEM

L.S.

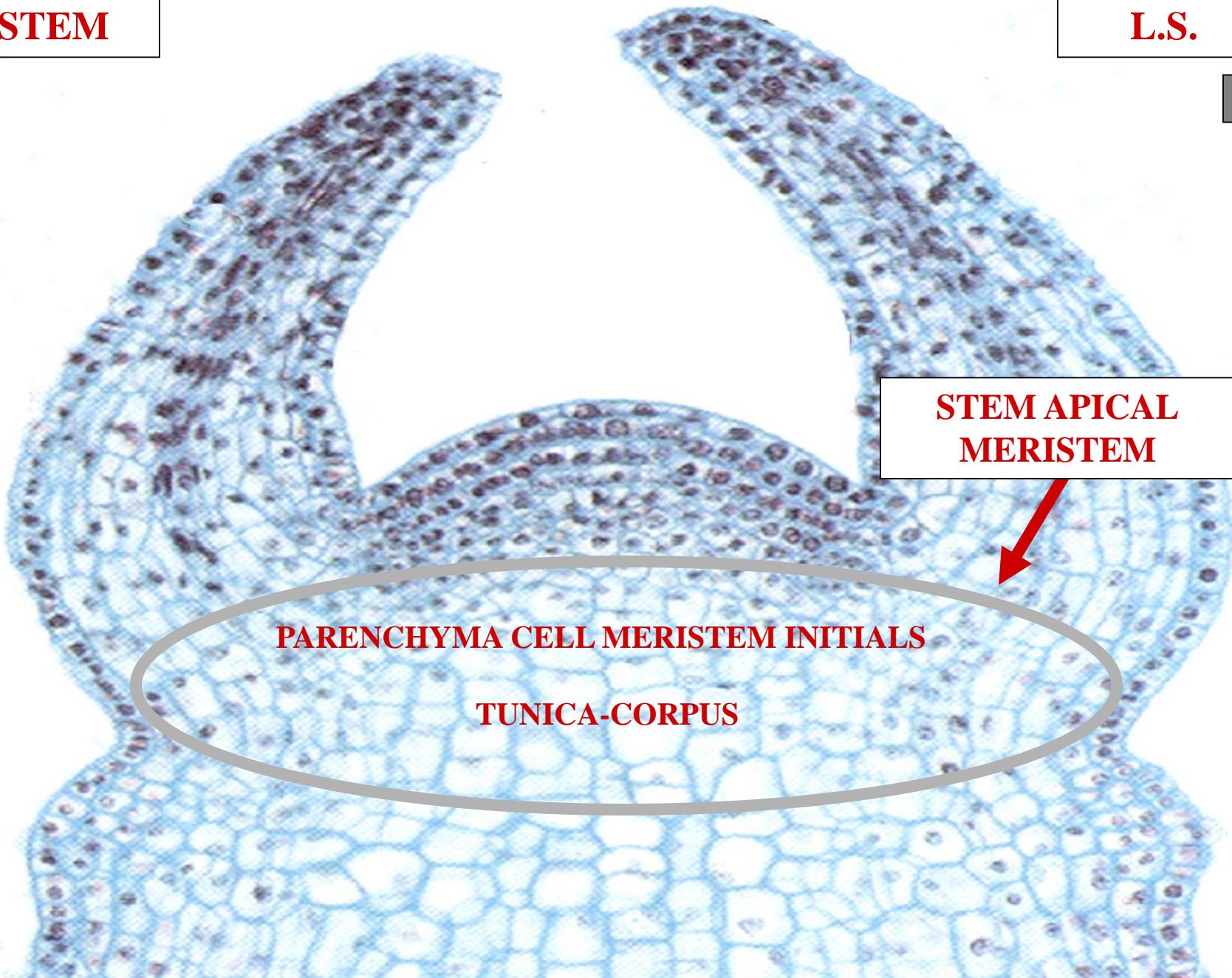
TC



STEM

L.S.

Λ



TUNICA-CORPUS

TUNICA-CORPUS

STEM ANATOMY TUNICA-CORPUS

**STEM
APICAL MERISTEM
ORGANIZATION**

STEM ANATOMY TUNICA-CORPUS

TUNICA-CORPUS REGIONS

TUNICA REGION



STEM ANATOMY

TUNICA REGION

DERIVES PROTODERM

PRIMARY MERISTEM

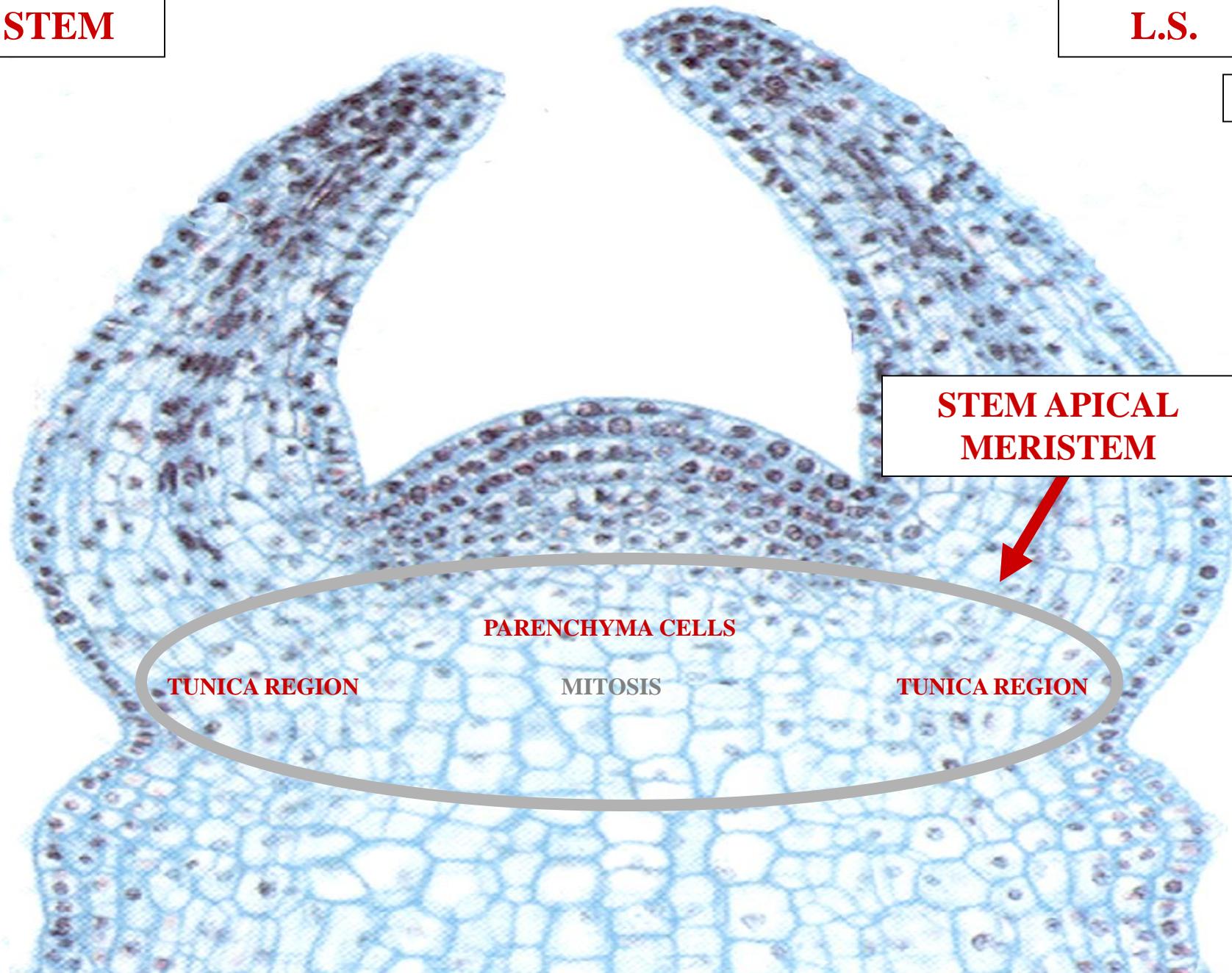
STEM ANATOMY

TUNICA REGION

STEM

L.S.

P

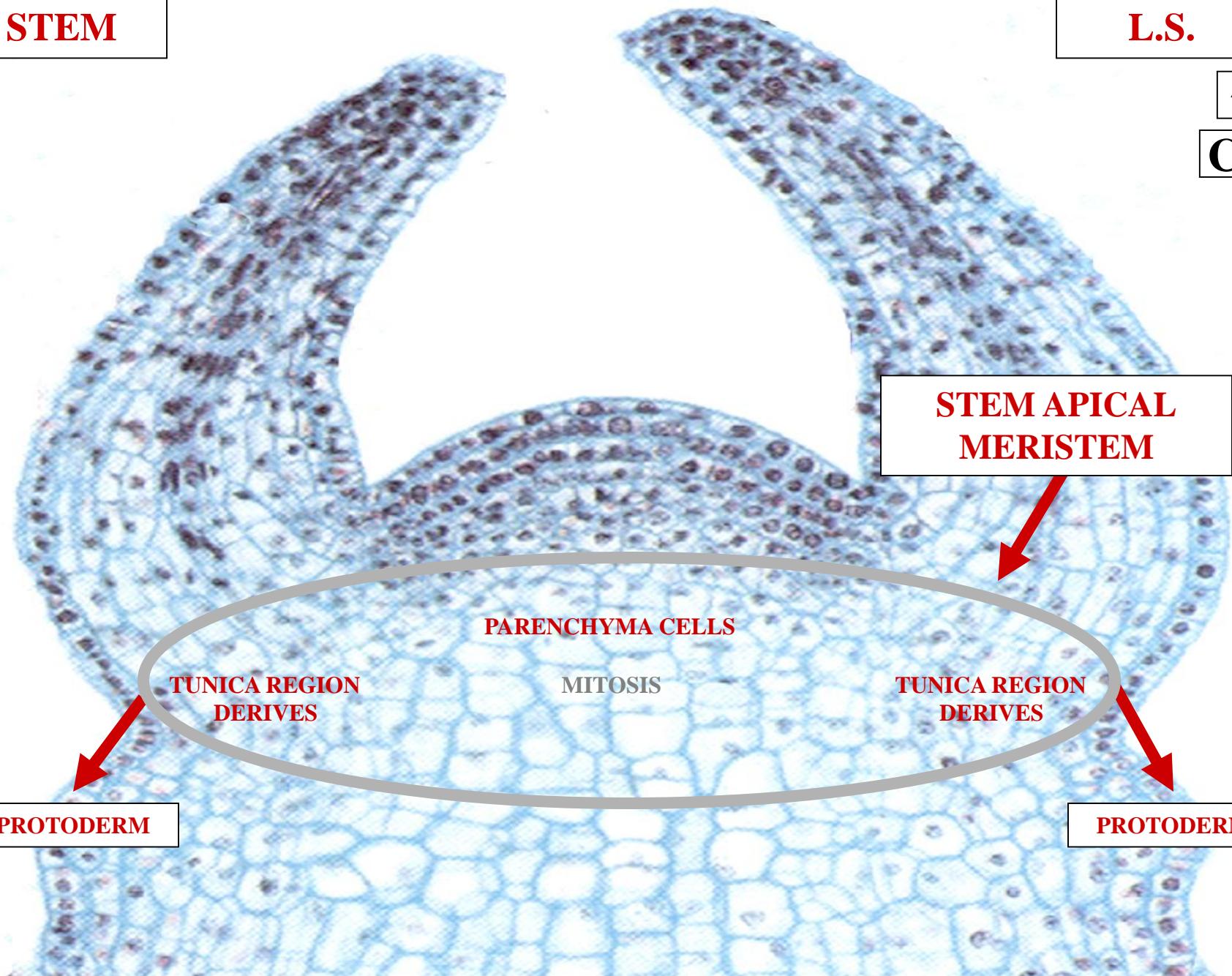


STEM

L.S.

A

CR



CORPUS REGION



STEM ANATOMY CORPUS REGION

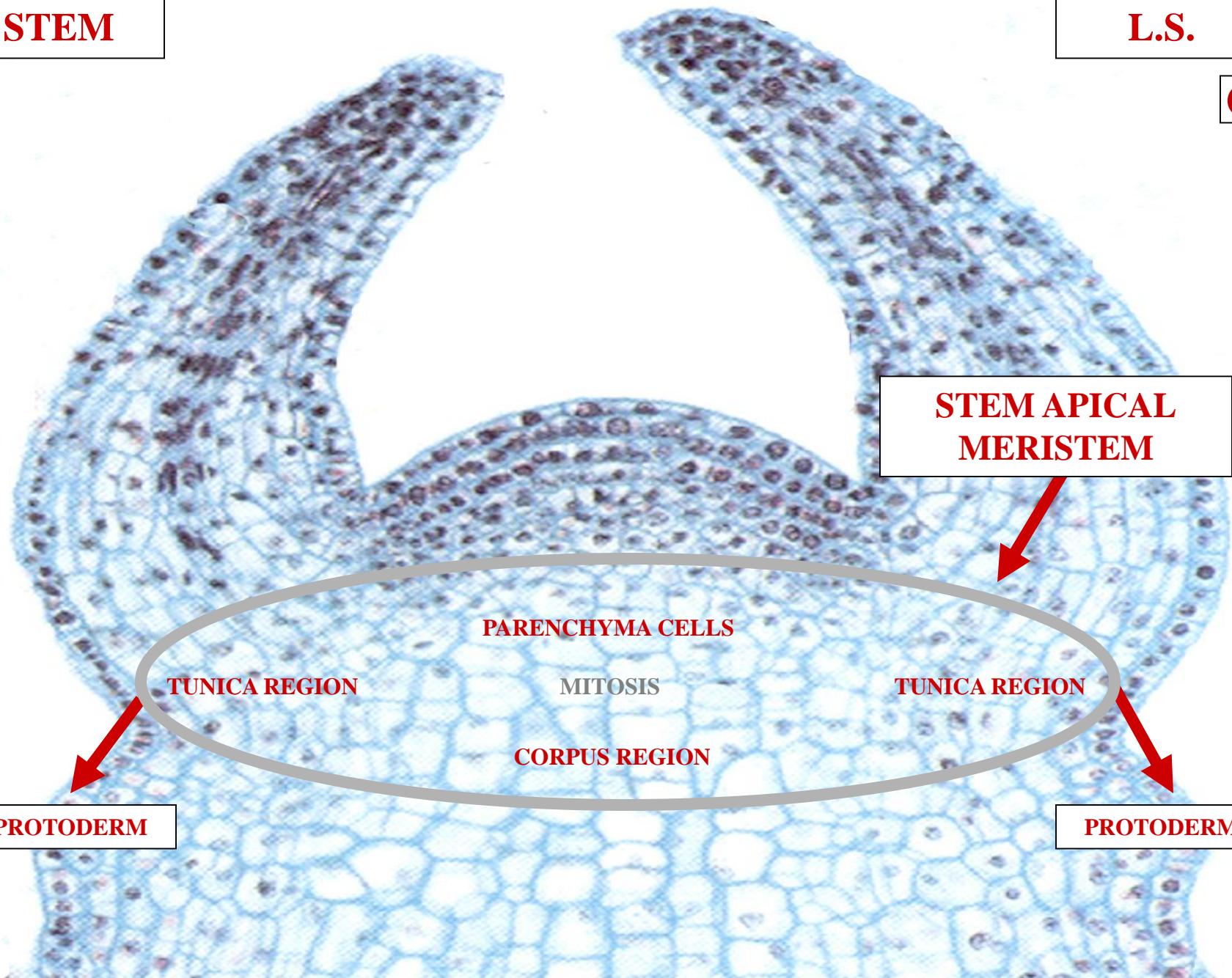
**DERIVES
GROUND AND PROCAMBIIUM
PRIMARY MERISTEMS**

STEM ANATOMY CORPUS REGION

STEM

L.S.

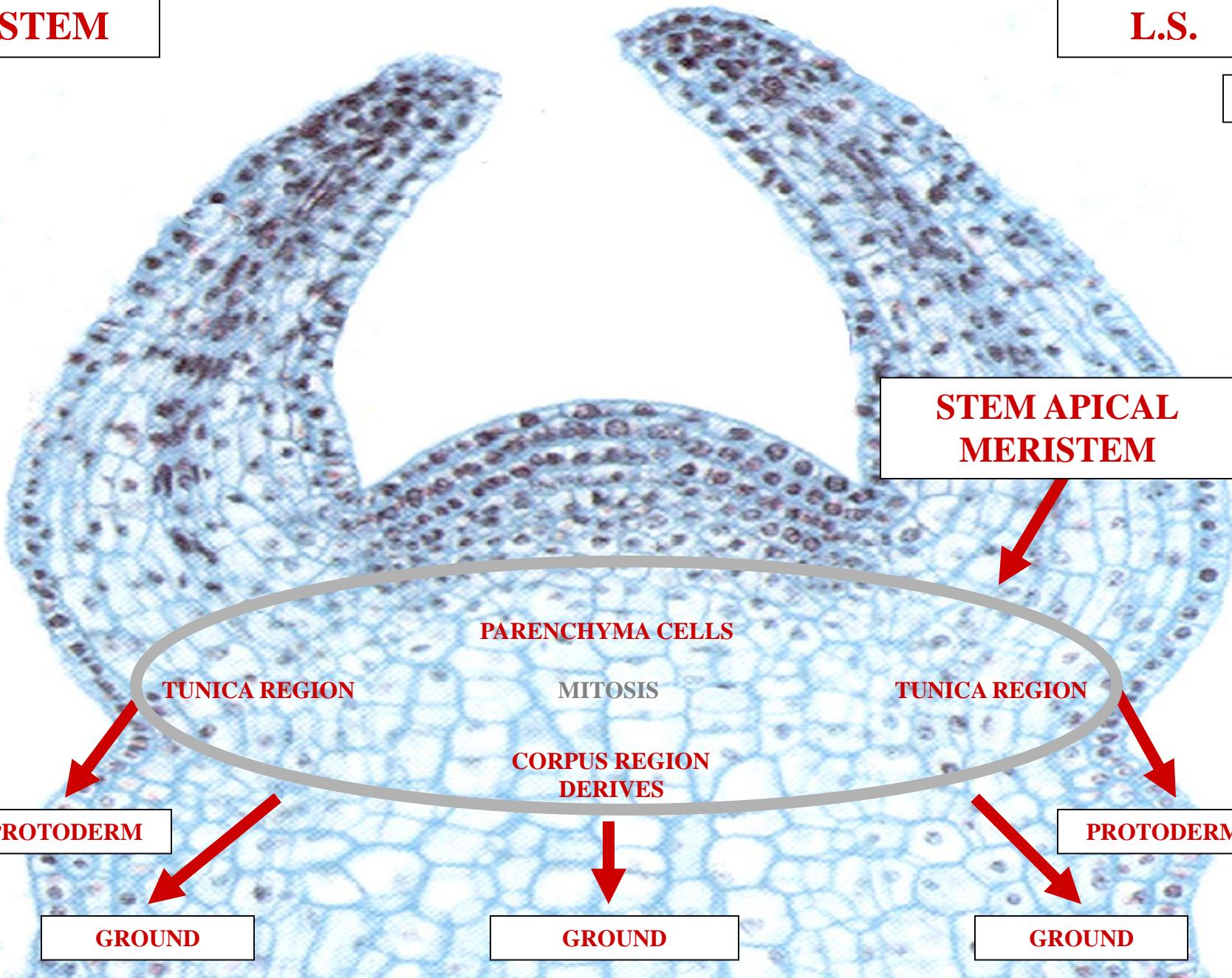
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STEM

L.S.

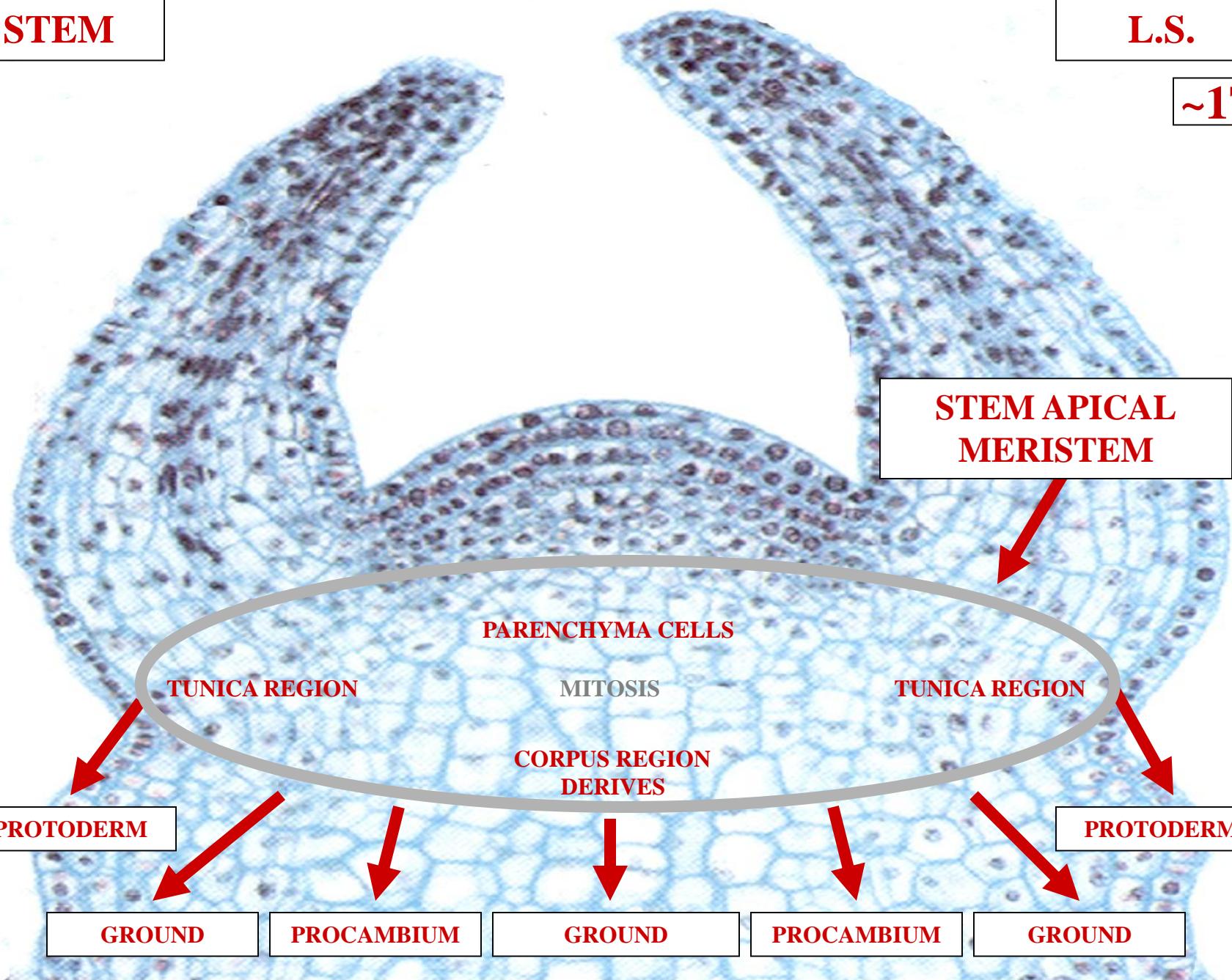
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STEM

L.S.

~1T



STEM

L.S.

$\sim 1G$

STEM APICAL MERISTEM

TUNICA REGION

PARENCHYMA CELLS

MITOSIS

TUNICA REGION

~ 1 TISSUES

~1 TISSUES

~ 1 TISSUES

~1 TISSUES

~1 TISSUES

~1 TISSUES

~1 TISSUES

STEM

L.S.



**STEM APICAL
MERISTEM**

TUNICA REGION

PARENCHYMA CELLS

MITOSIS

TUNICA REGION

CORPUS REGION

~1 GROWTH

DICOT STEM PRIMARY GROWTH

DICOT STEM DERMAL TISSUE



DT

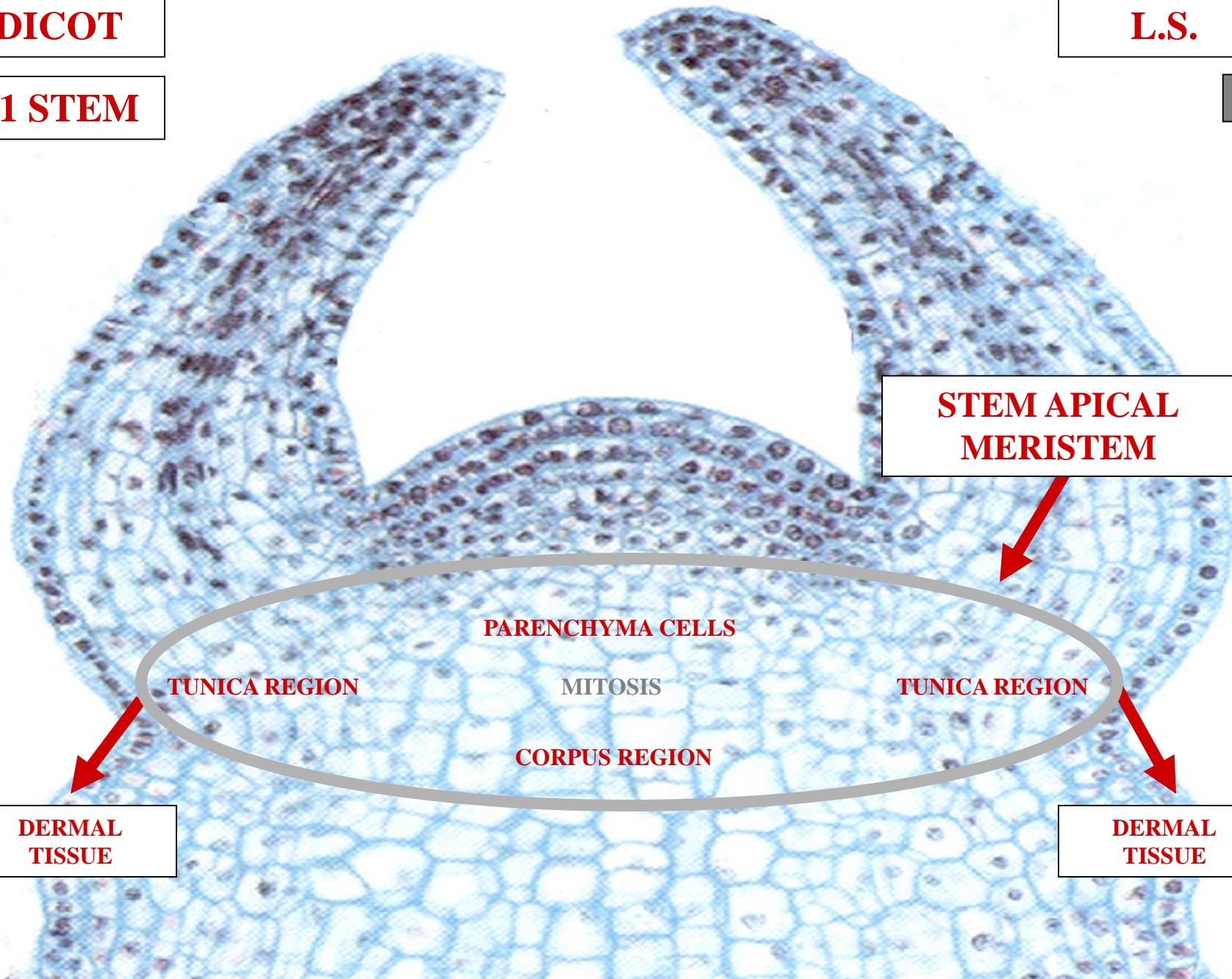
DICOT STEM DERMAL TISSUE PRIMARY MERISTEM

DICOT

~1 STEM

L.S.

?

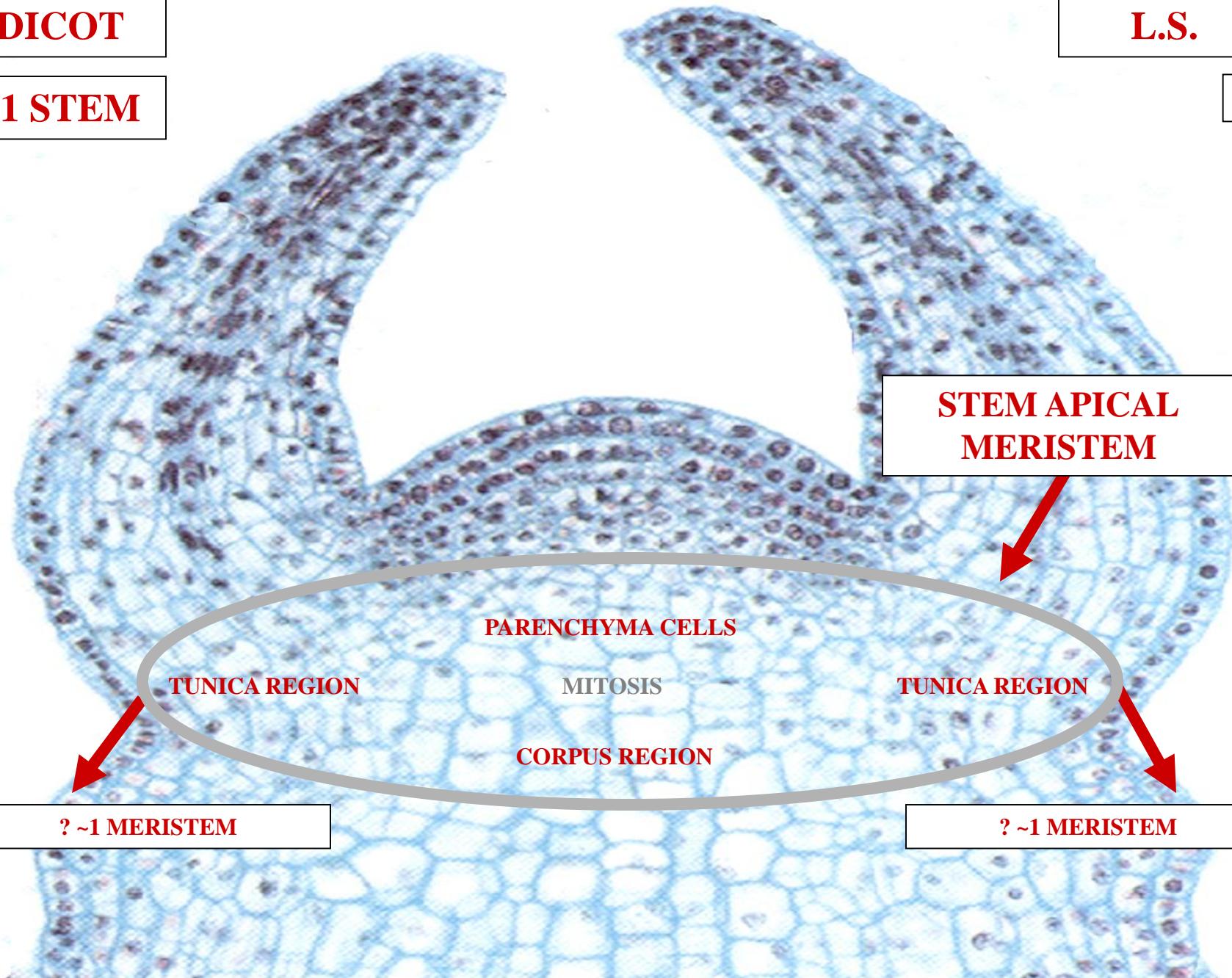


DICOT

~1 STEM

L.S.

P



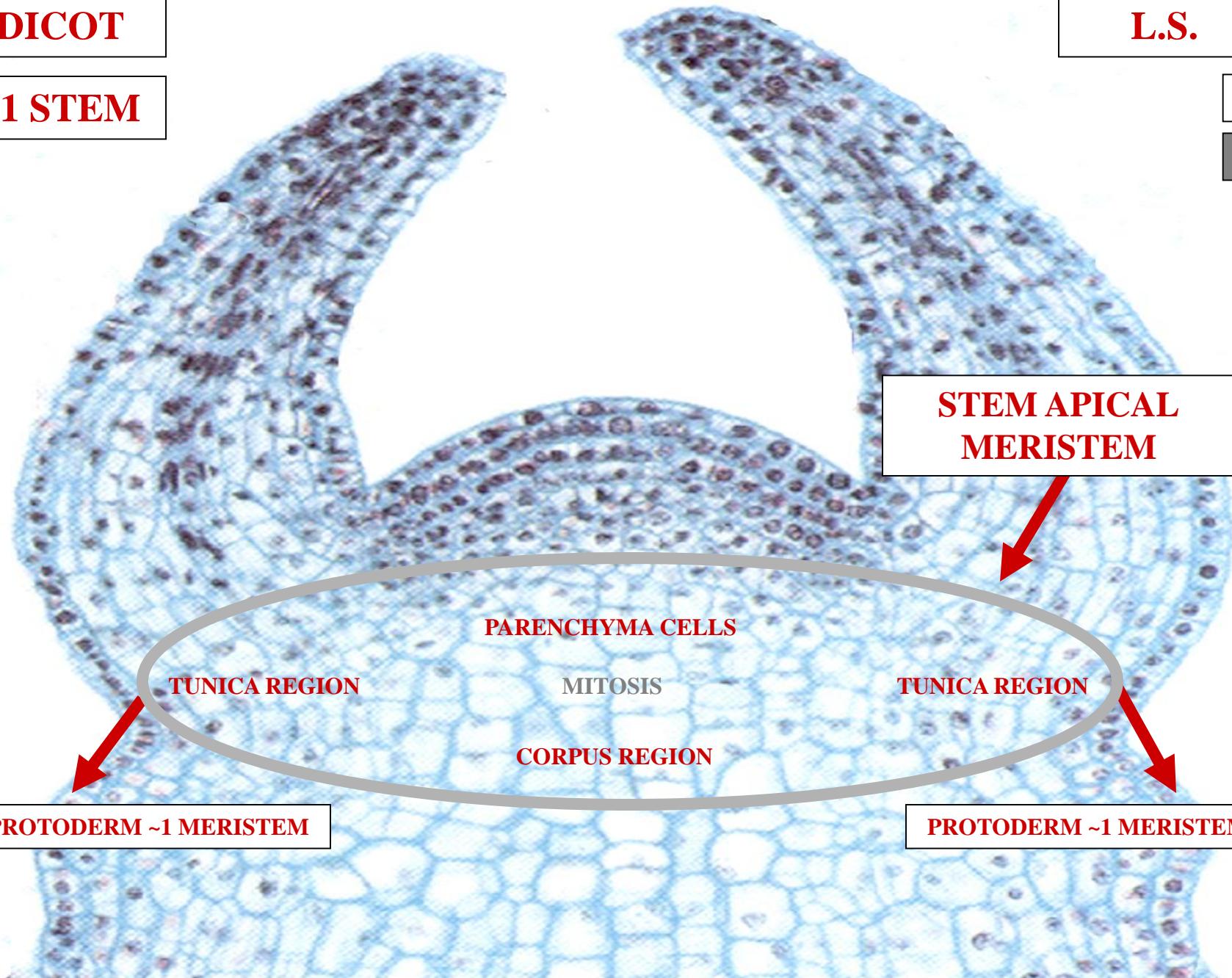
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~1 STEM

L.S.

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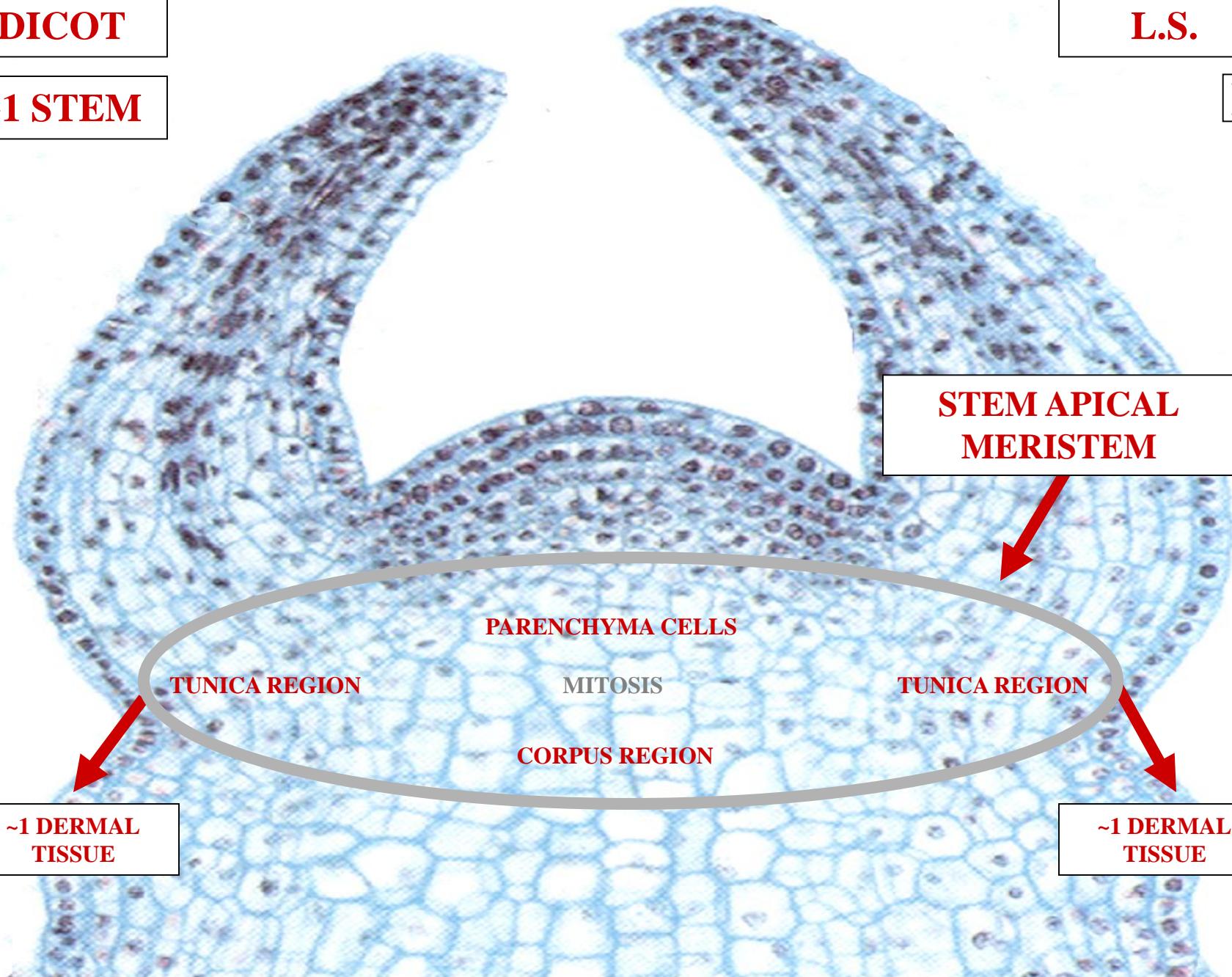


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~1 STEM

L.S.

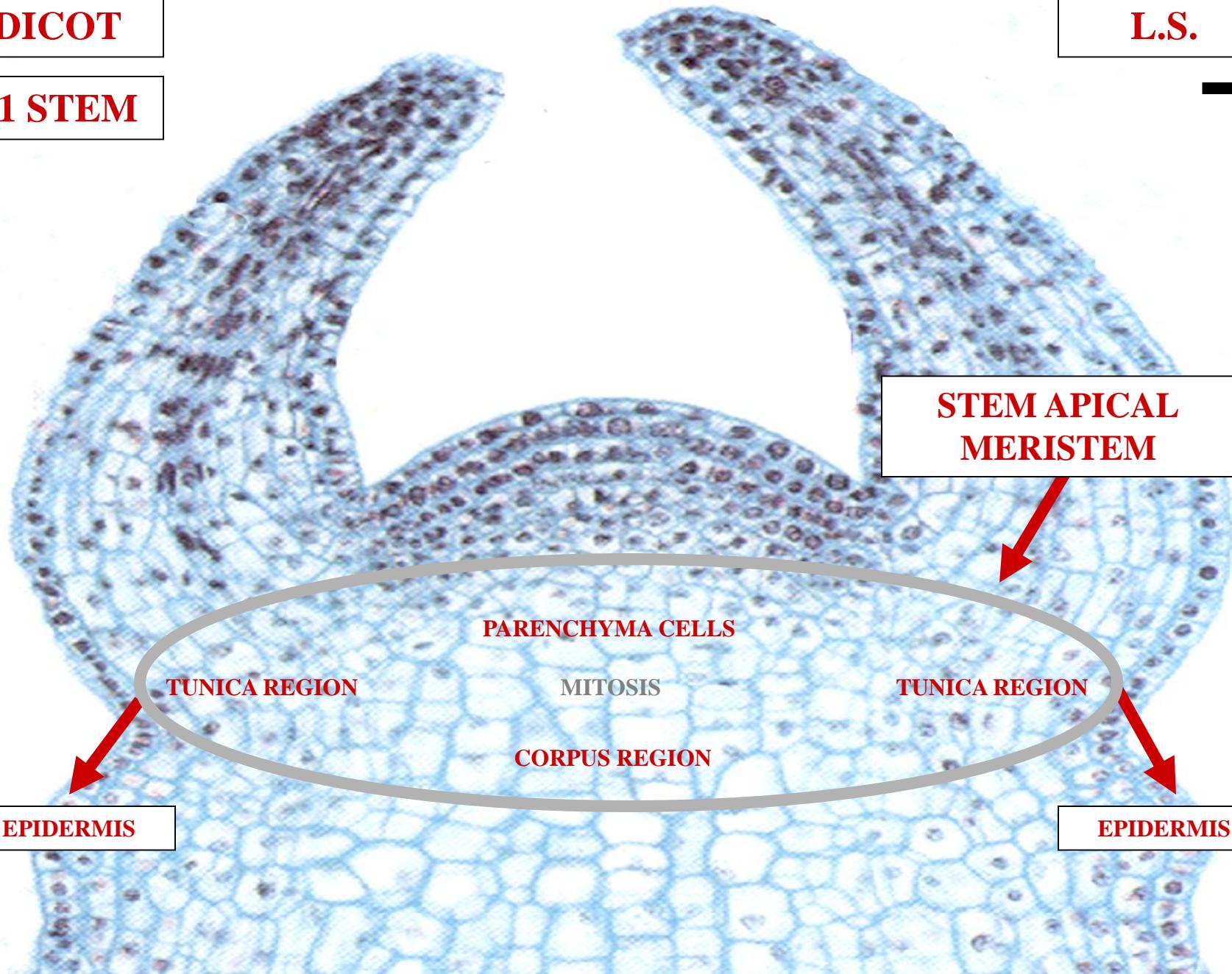
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DICOT

~1 STEM

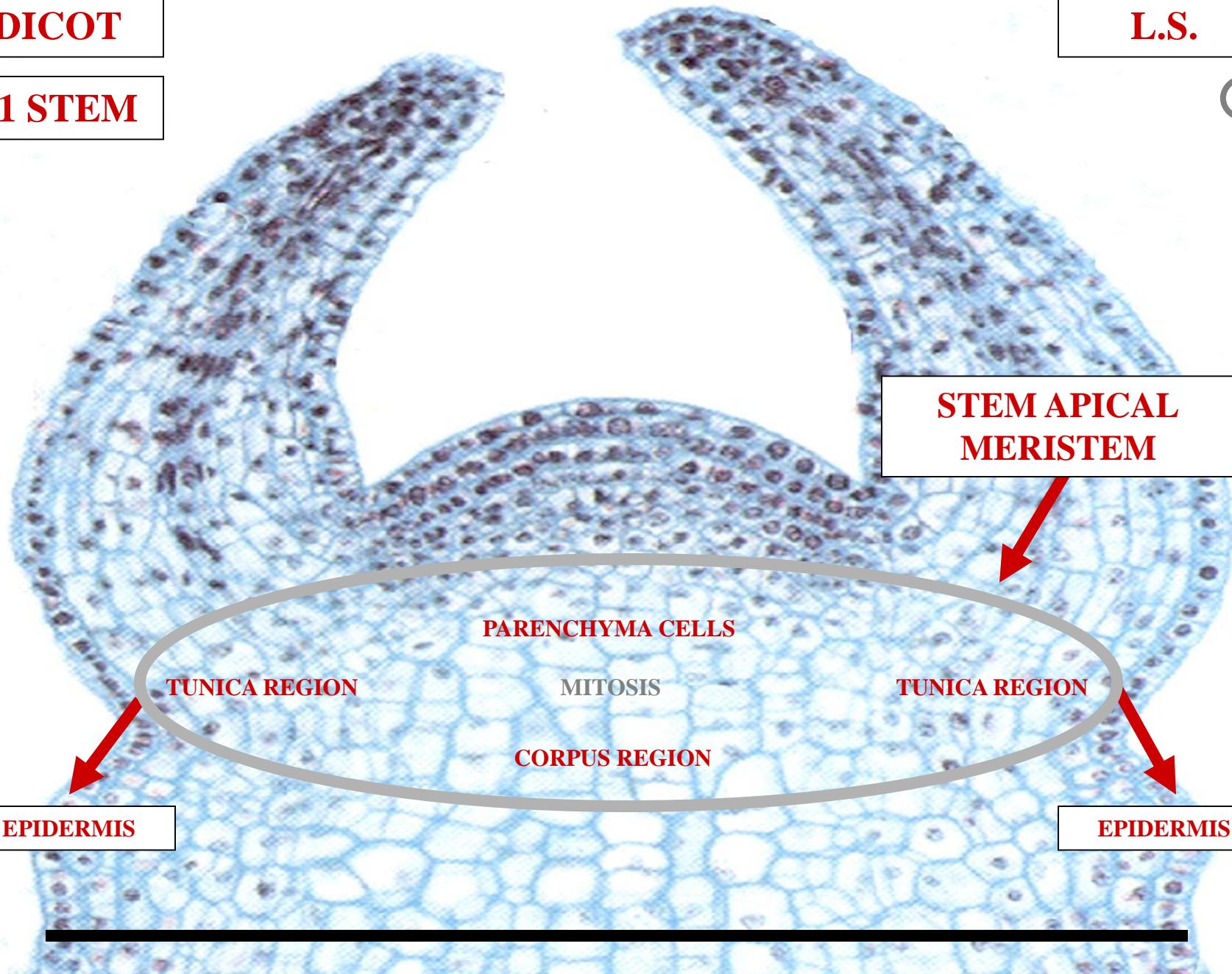
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DICOT

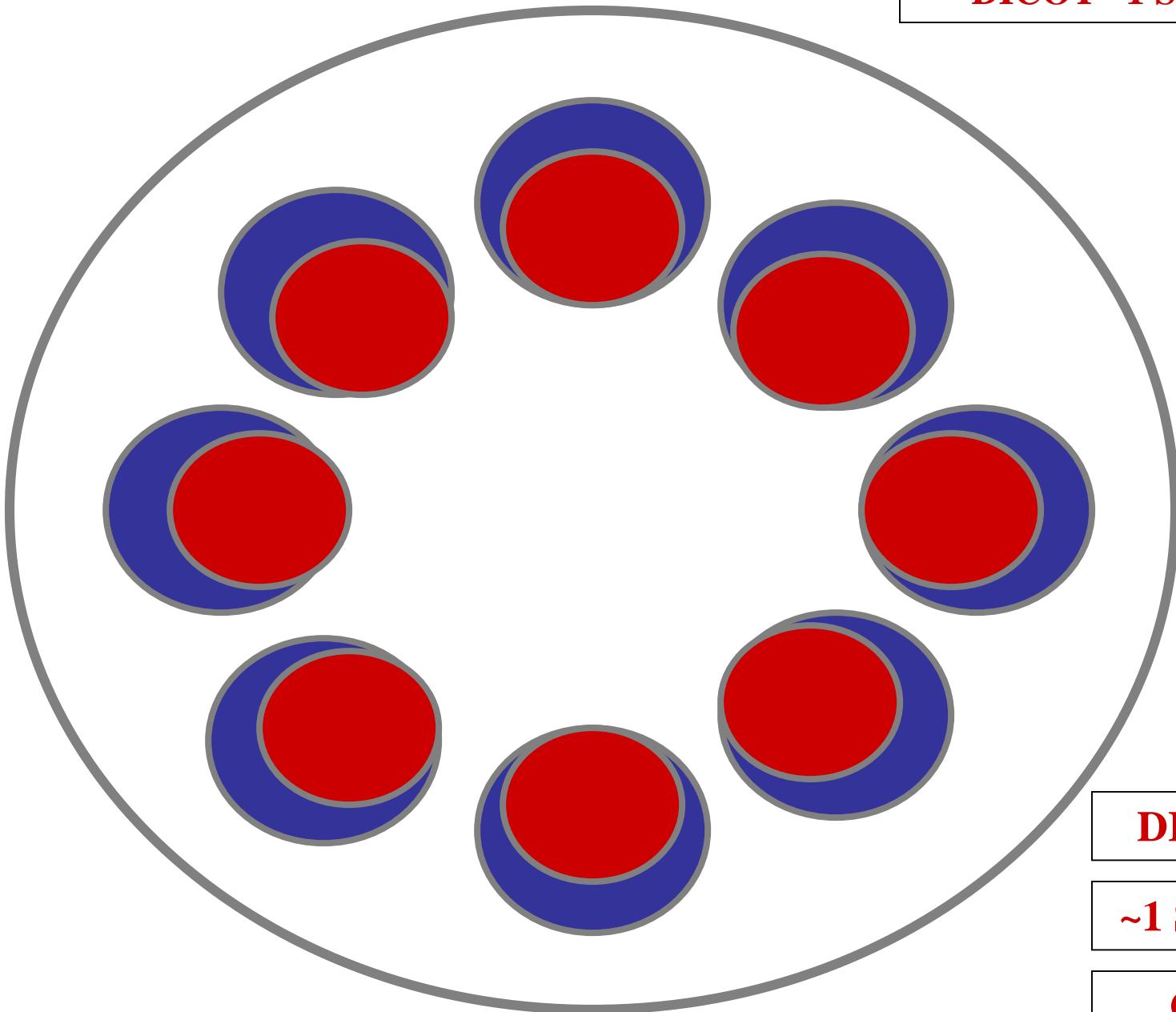
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L.S.



DICOT ~1 STEM

E



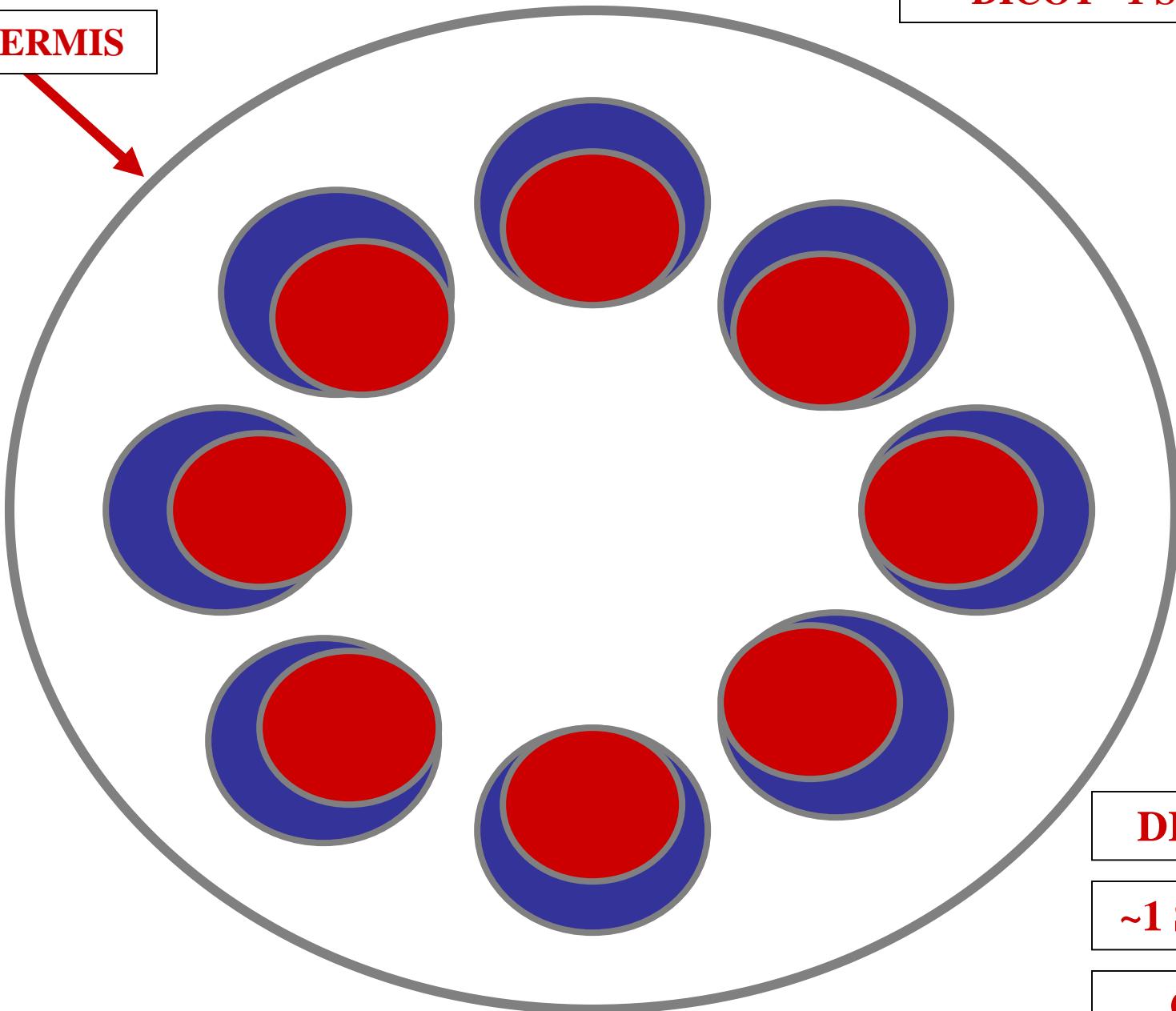
DICOT

~1 STEM

C.S.

DICOT ~1 STEM

EPIDERMIS



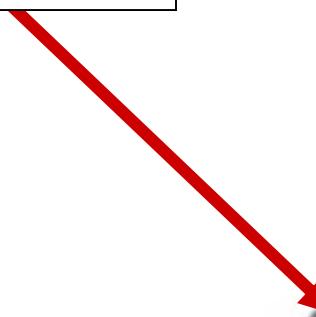
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~1 STEM

C.S.

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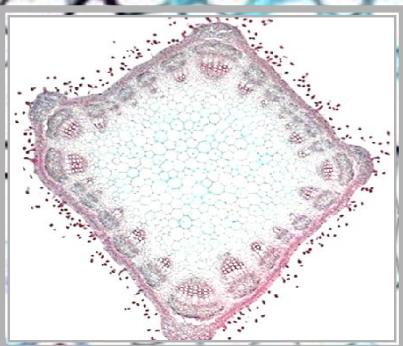
EPIDERMIS



DICOT

~1 STEM

C.S.



DICOT STEM GROUND TISSUE



GT

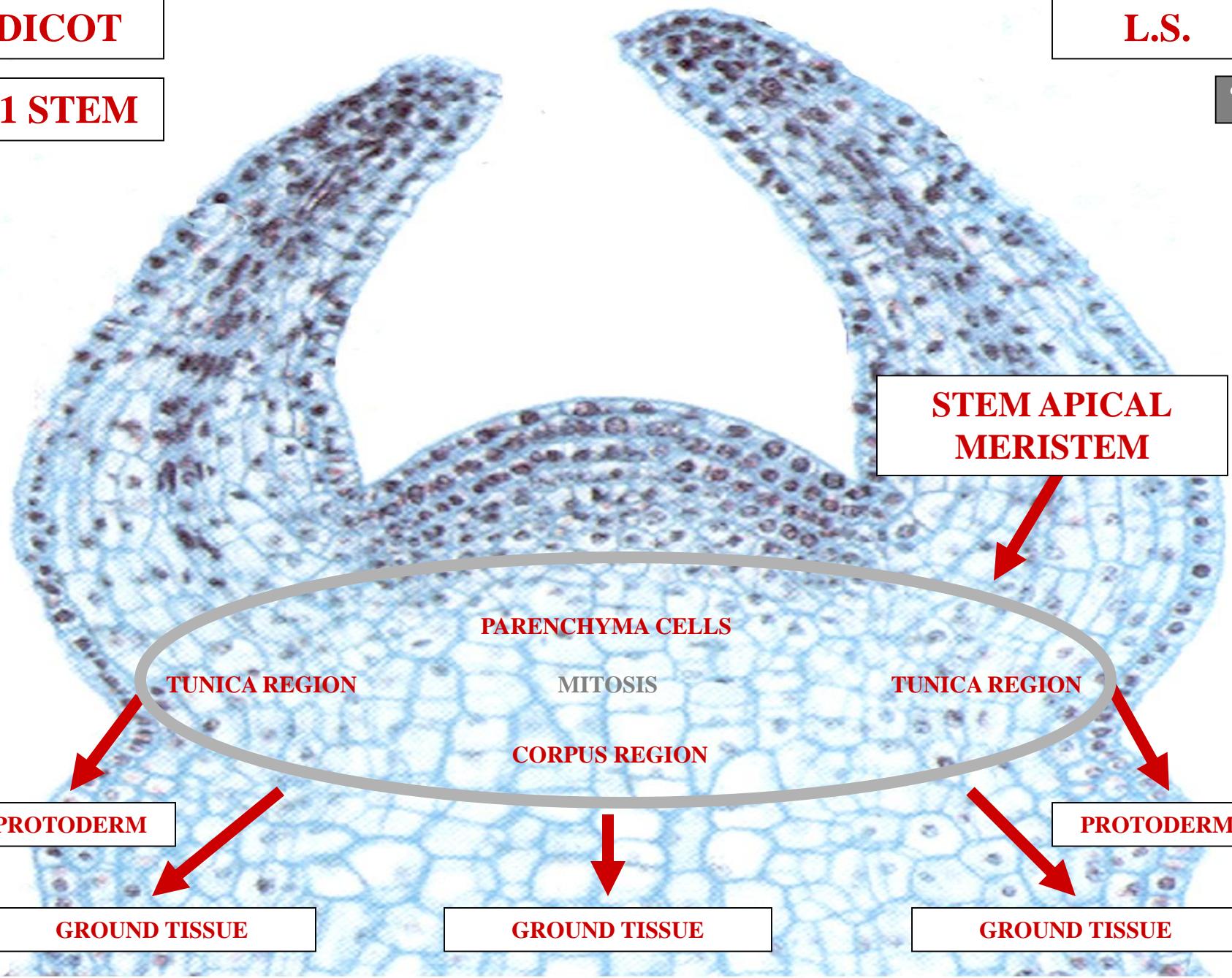
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DICOT

~1 STEM

L.S.

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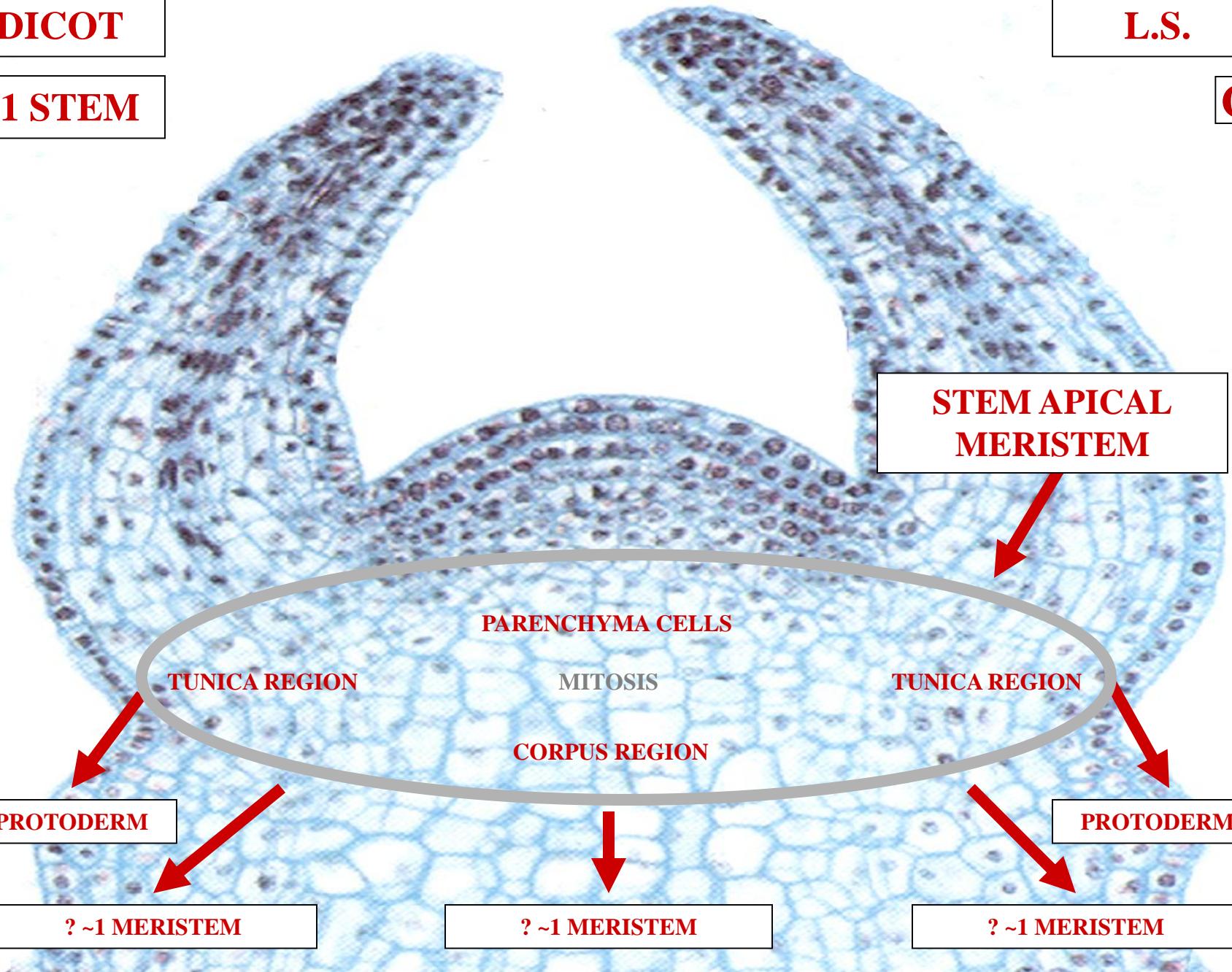


DICOT

~1 STEM

L.S.

G

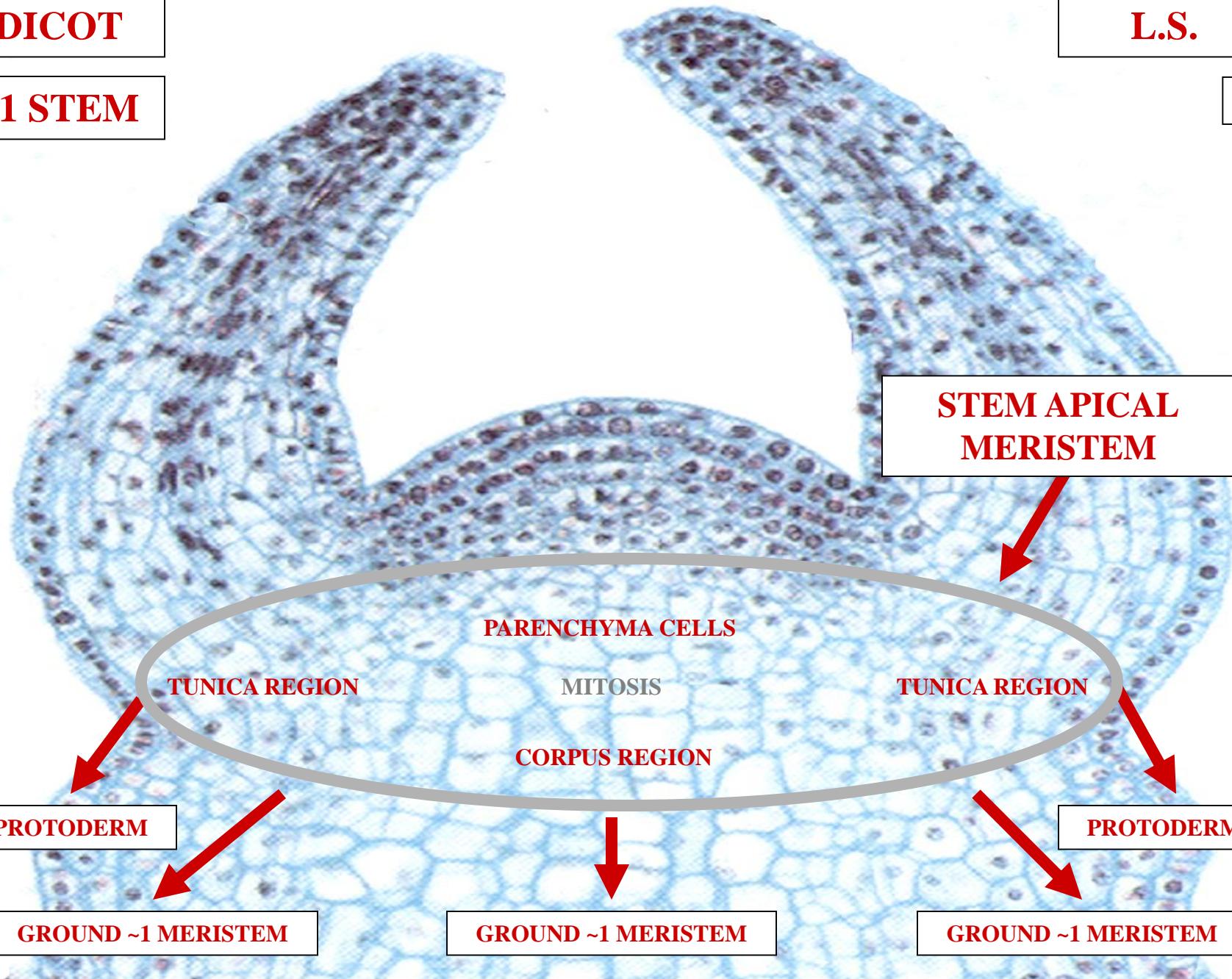


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L.S.

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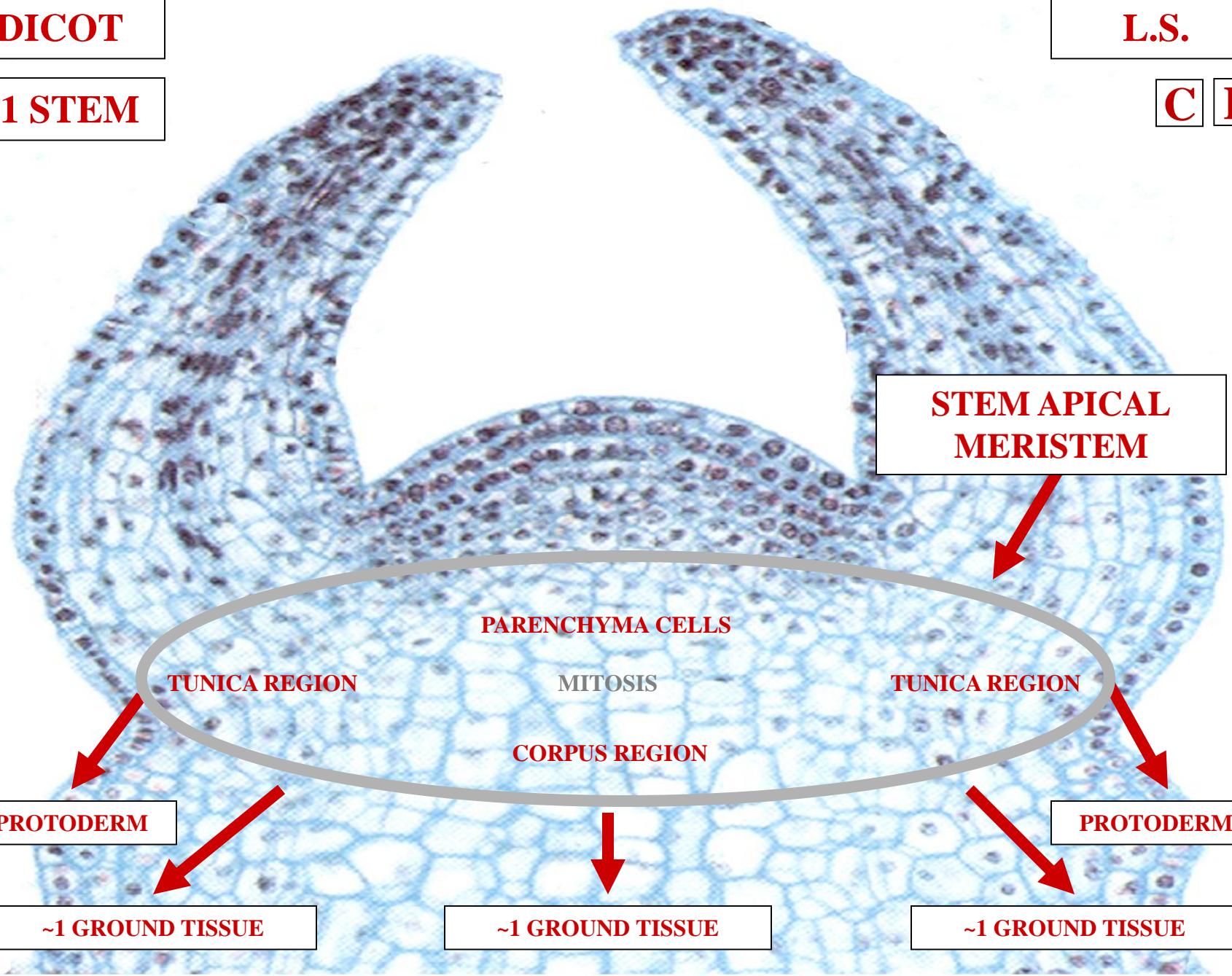


DICOT

~1 STEM

L.S.

C P

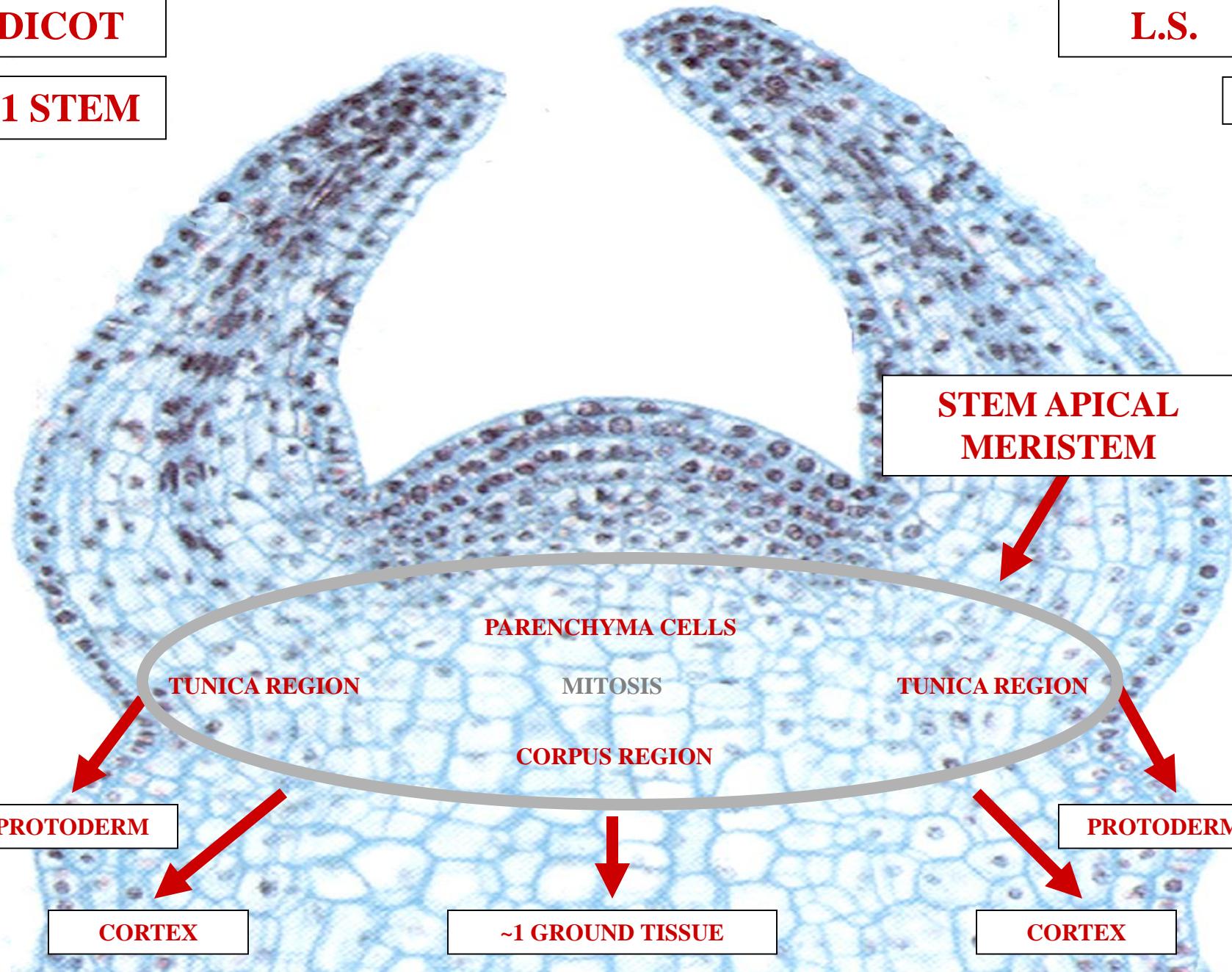


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~1 STEM

L.S.

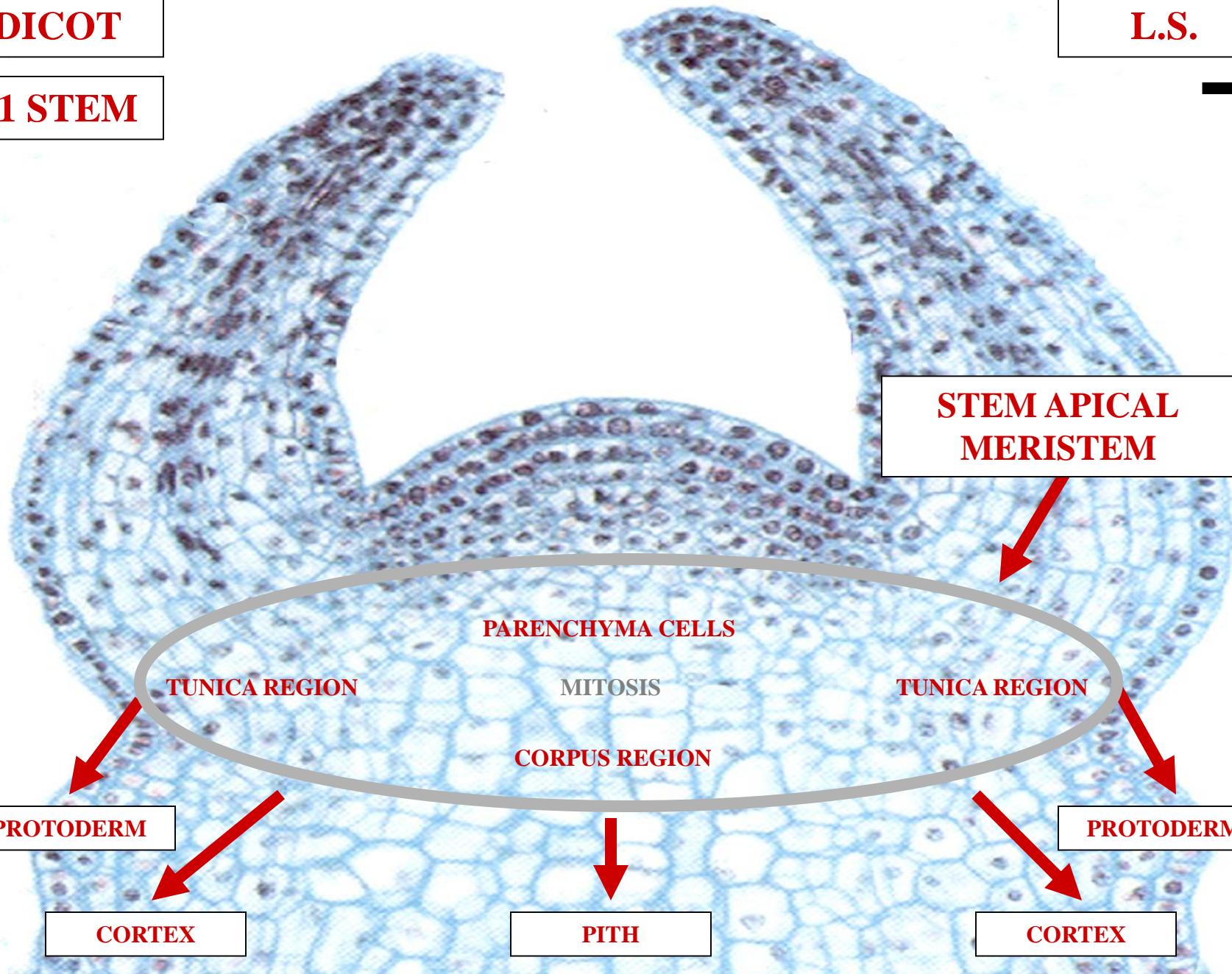
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DICOT

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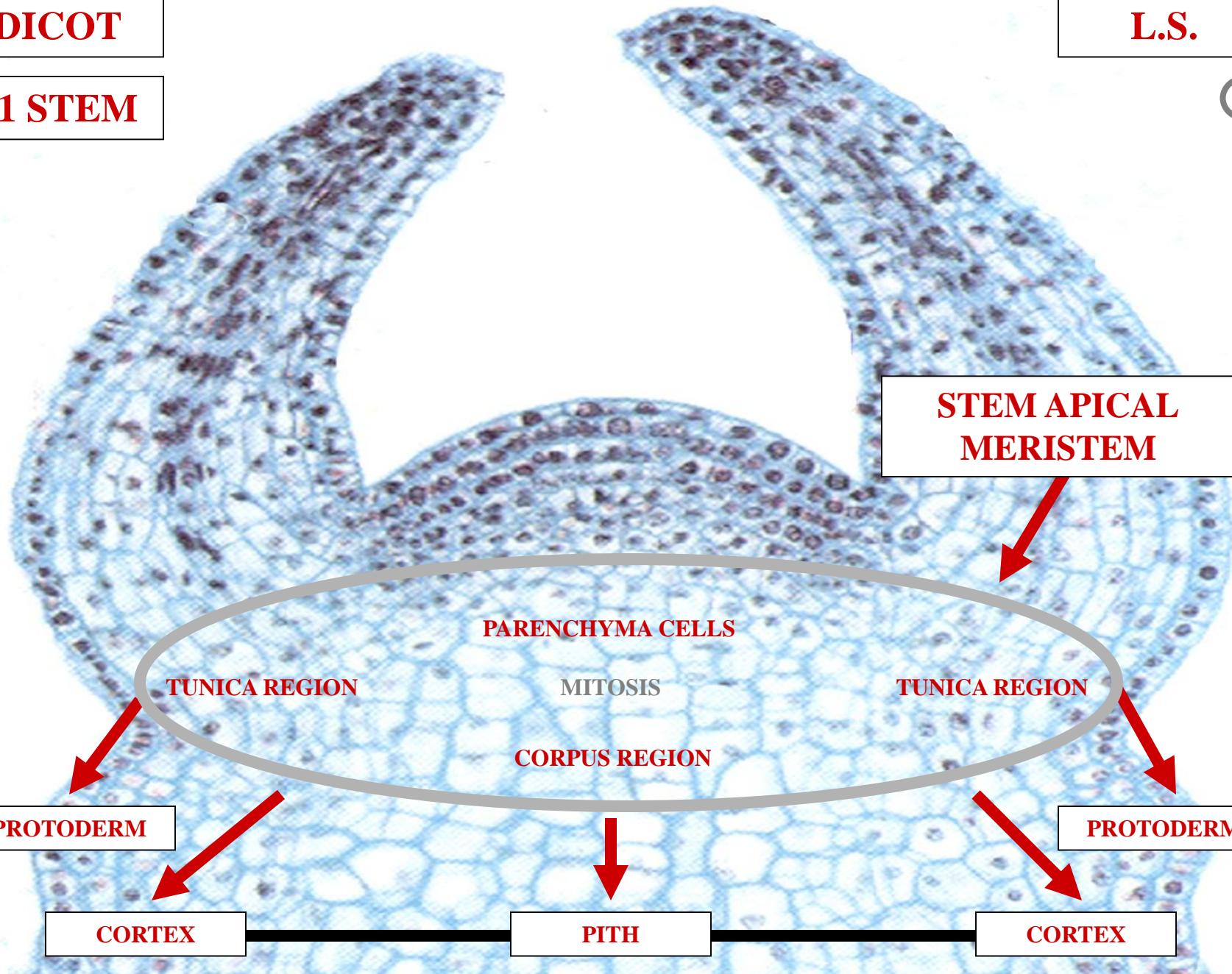
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DICOT

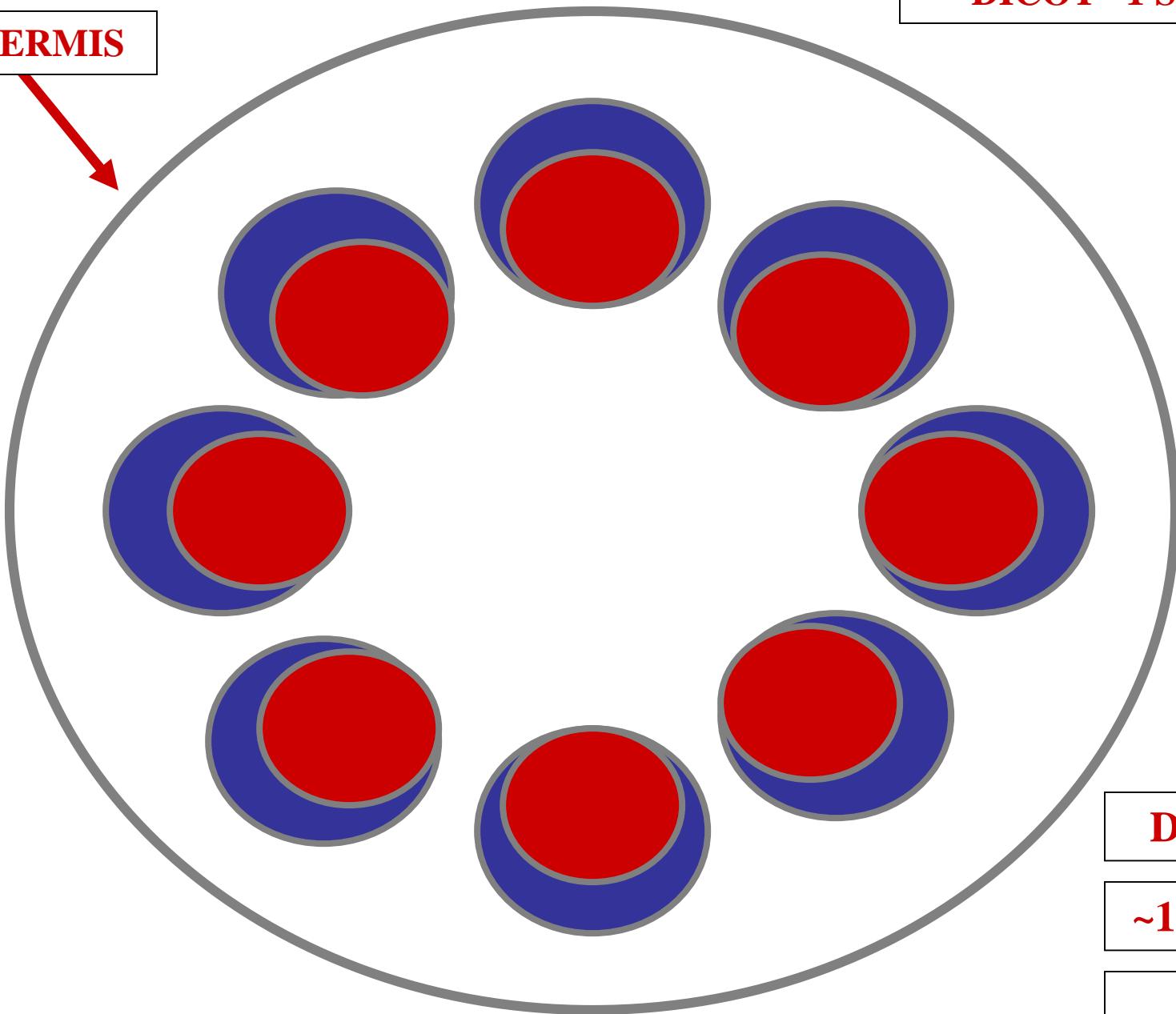
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L.S.



DICOT ~1 STEM

EPIDERMIS



C

DICOT

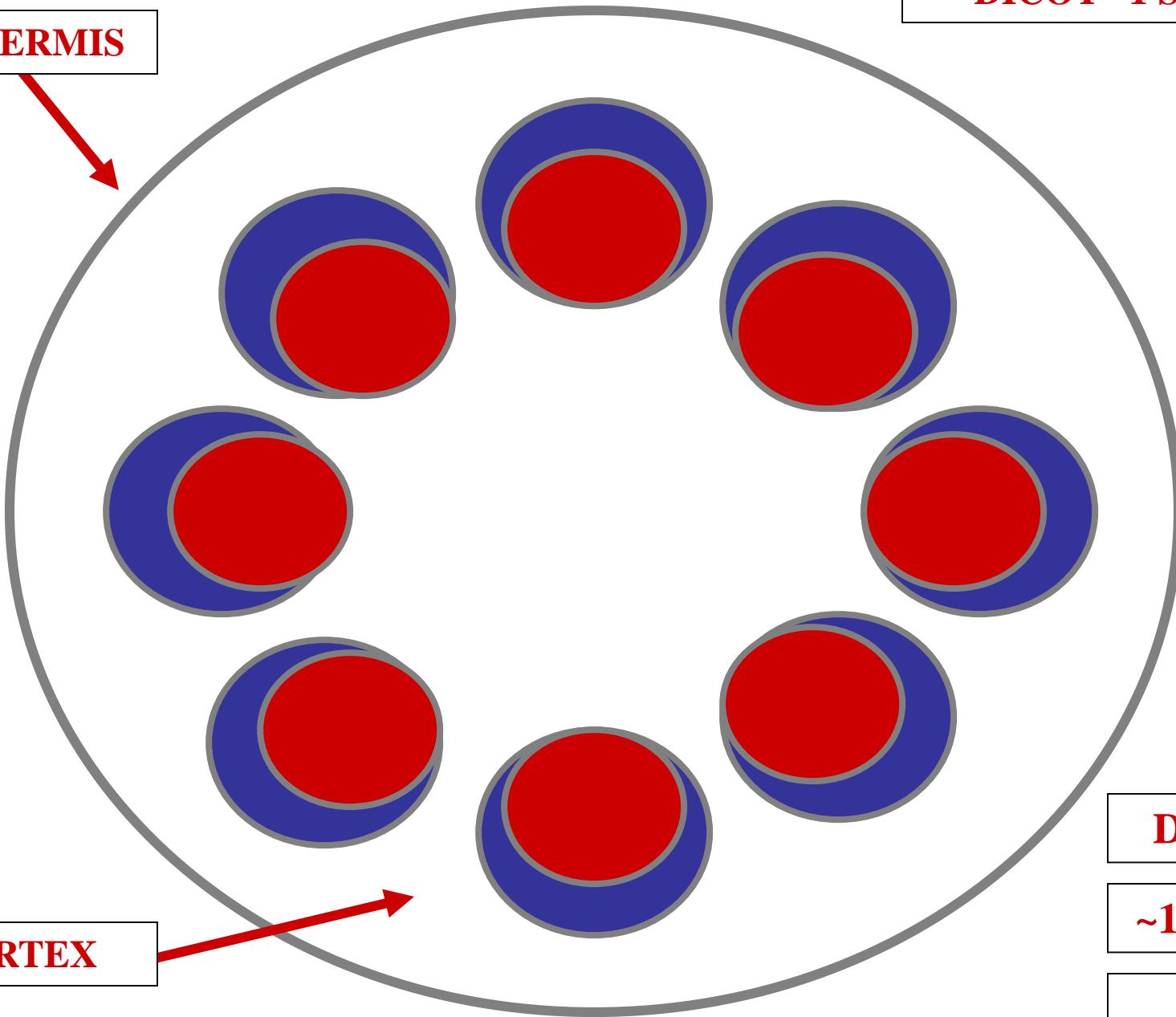
~1 STEM

C.S.

DICOT ~1 STEM

Λ

EPIDERMIS



CORTEX

DICOT

~1 STEM

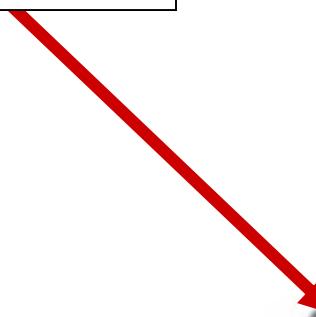
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DICOT STEM CORTEX

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EPIDERMIS



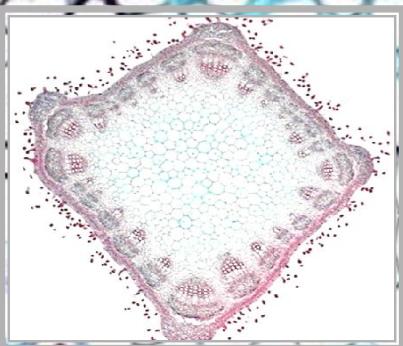
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DICOT

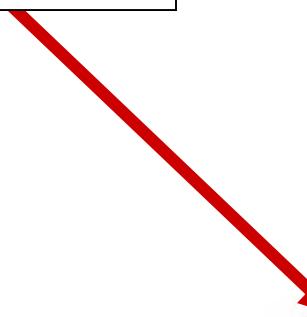
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C.S.



CC

EPIDERMIS



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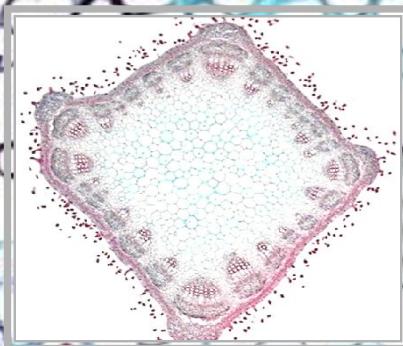


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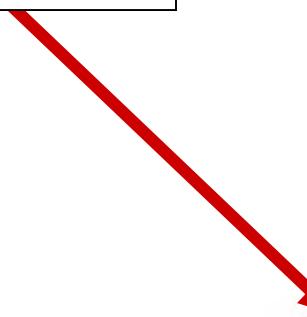
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C.S.

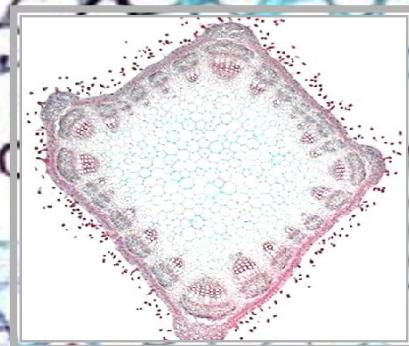


F

EPIDERMIS



CORTEX



**COLLENCHYMA
CELLS**



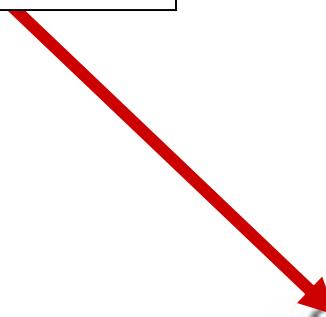
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~1 STEM

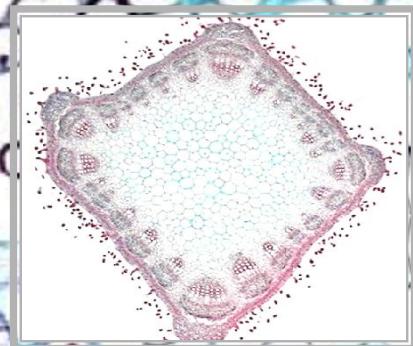
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EPIDERMIS



CORTEX



FUNCTION
PERIPHERAL
STEM SUPPORT



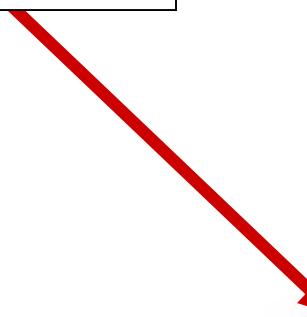
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~1 STEM

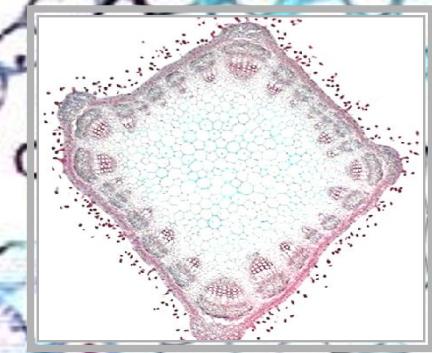
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PC

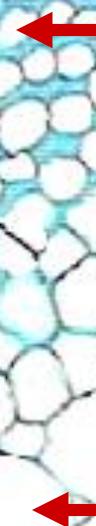
EPIDERMIS



CORTEX



**COLLENCHYMA
CELLS**



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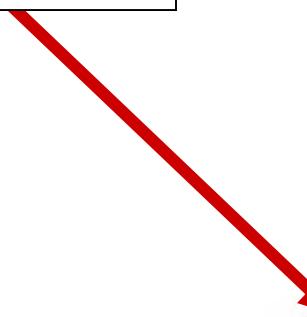
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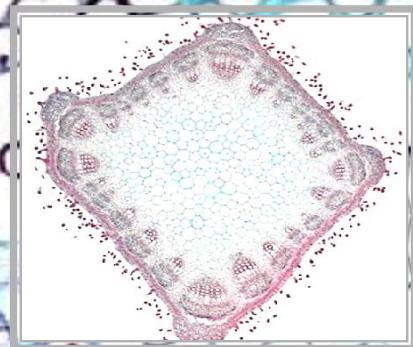
C.S.

F

EPIDERMIS



CORTEX



COLLENCHYMA
CELLS

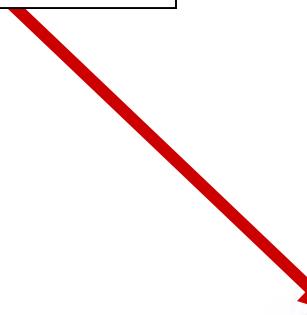
PARENCHYMA
CELLS

DICOT

~1 STEM

C.S.

EPIDERMIS



CORTEX



**COLLENCHYMA
CELLS**



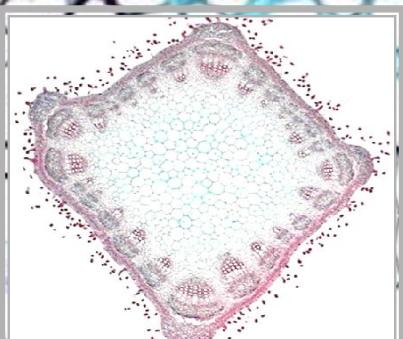
**FUNCTION
STEM STORAGE**



DICOT

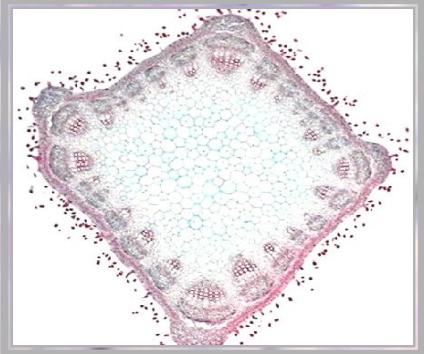
~1 STEM

C.S.



F

**PARENCHYMA
CELLS**



DICOT

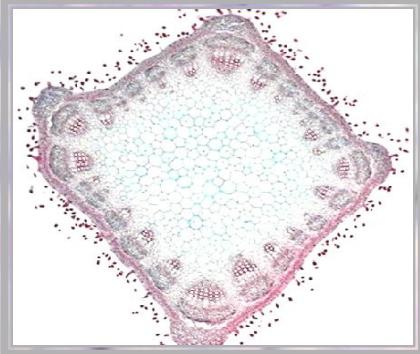
CORTEX

~1 STEM

C.S.

SG

**FUNCTION
STORAGE**



DICOT

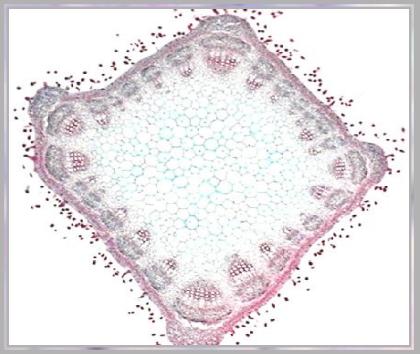
CORTEX

~1 STEM

C.S.

MW

**STARCH
GRAINS**



DICOT

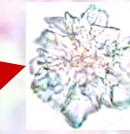
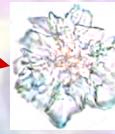
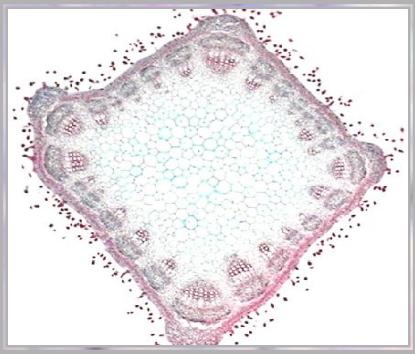
CORTEX

~1 STEM

C.S.

Λ

METABOLIC
WASTE



DICOT

CORTEX

~1 STEM

C.S.

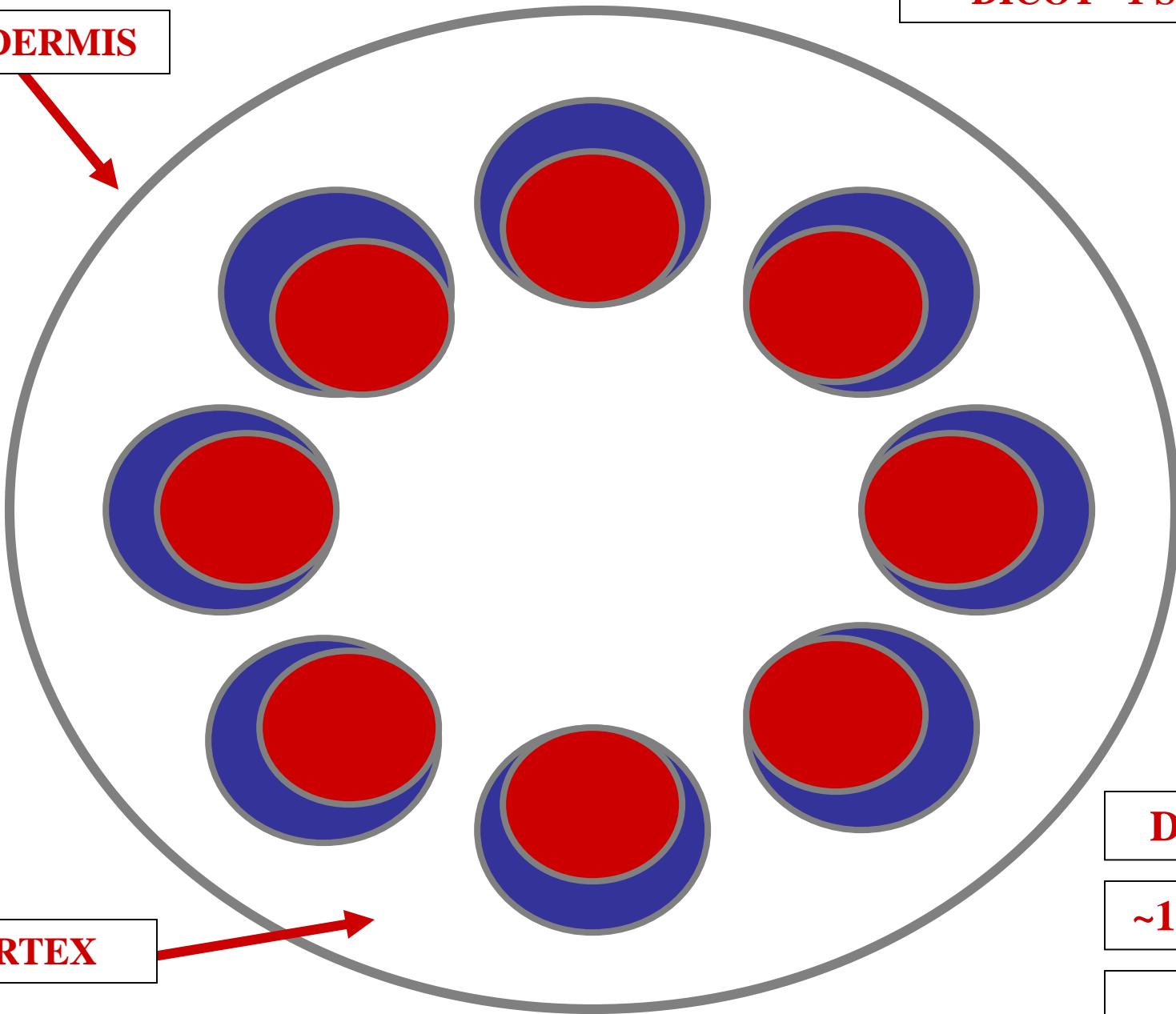


DICOT STEM PITH

DICOT ~1 STEM

P

EPIDERMIS



DICOT

~1 STEM

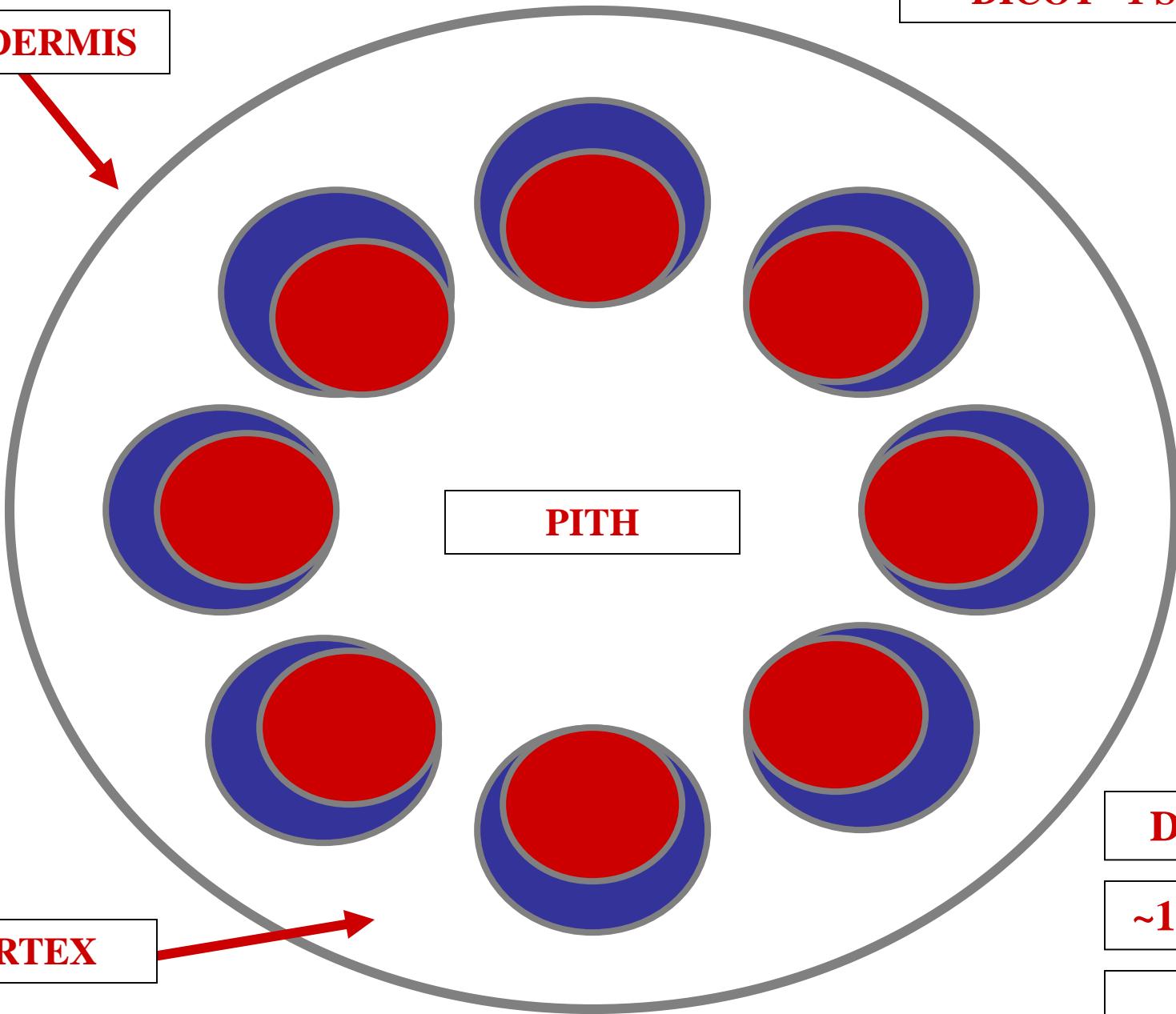
C.S.

CORTEX

DICOT ~1 STEM



EPIDERMIS



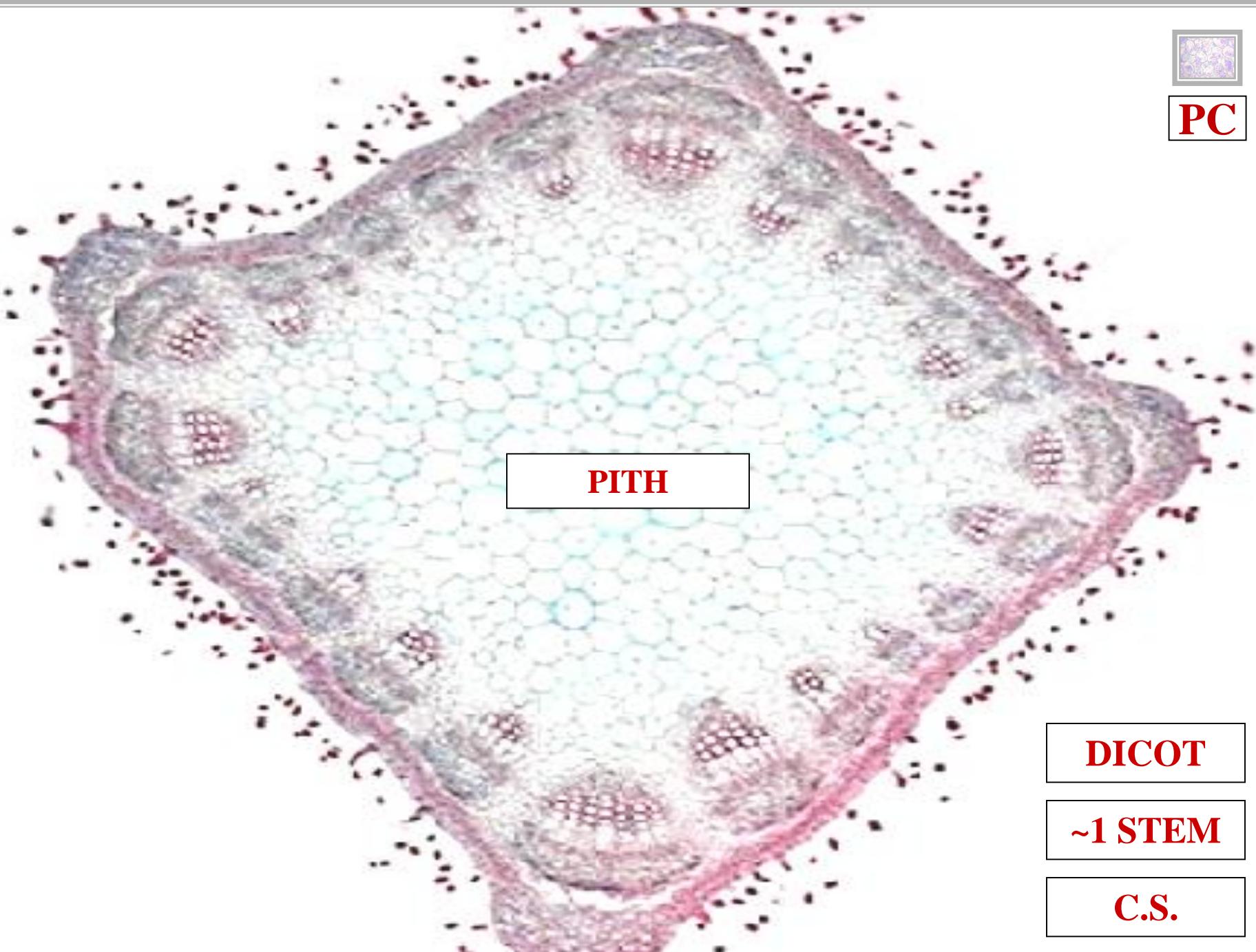
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~1 STEM

C.S.



PC



PITH

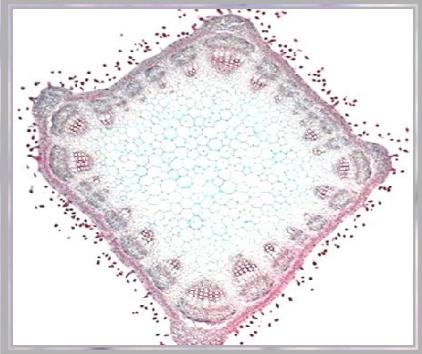
DICOT

~1 STEM

C.S.

F

**PARENCHYMA
CELLS**



DICOT

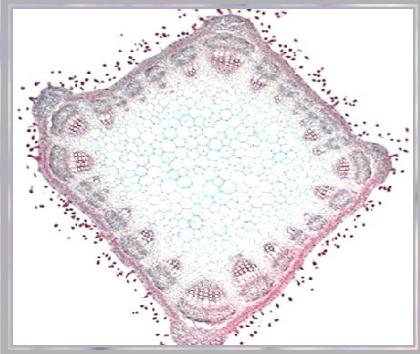
PITH

~1 STEM

C.S.

SG

**FUNCTION
STORAGE**



DICOT

PITH

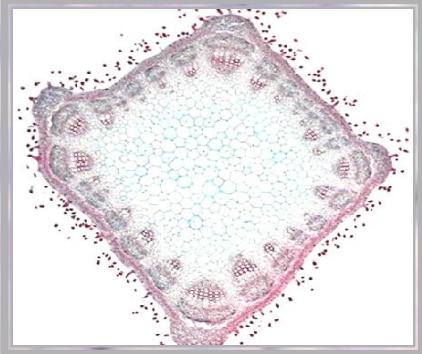
~1 STEM

C.S.

MW



**STARCH
GRAINS**



DICOT

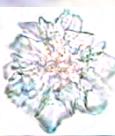
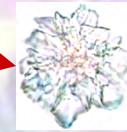
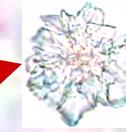
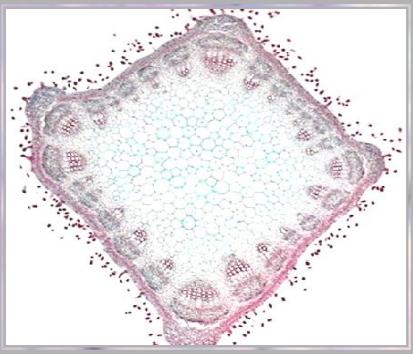
PITH

~1 STEM

C.S.

Λ

METABOLIC
WASTE



DICOT

PITH

~1 STEM

C.S.

DICOT STEM PITH RAY

PITH RAY

○

DICOT STEM PITH RAY

PARENCHYMA CELL
CONDUIT BETWEEN
CORTEX AND PITH

DICOT STEM PITH RAY

DICOT ~1 STEM

PR

EPIDERMIS

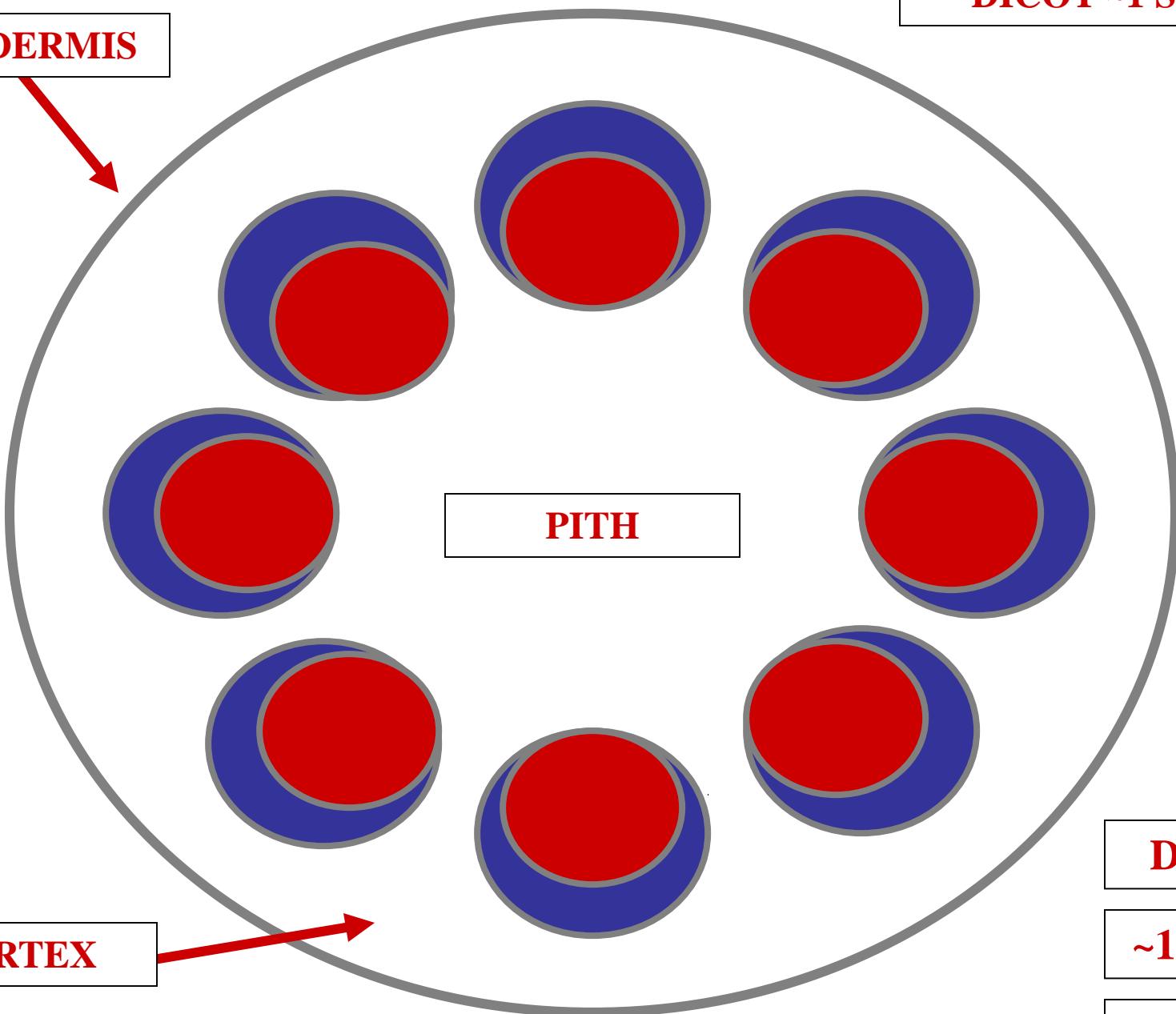
PITH

CORTEX

DICOT

~1 STEM

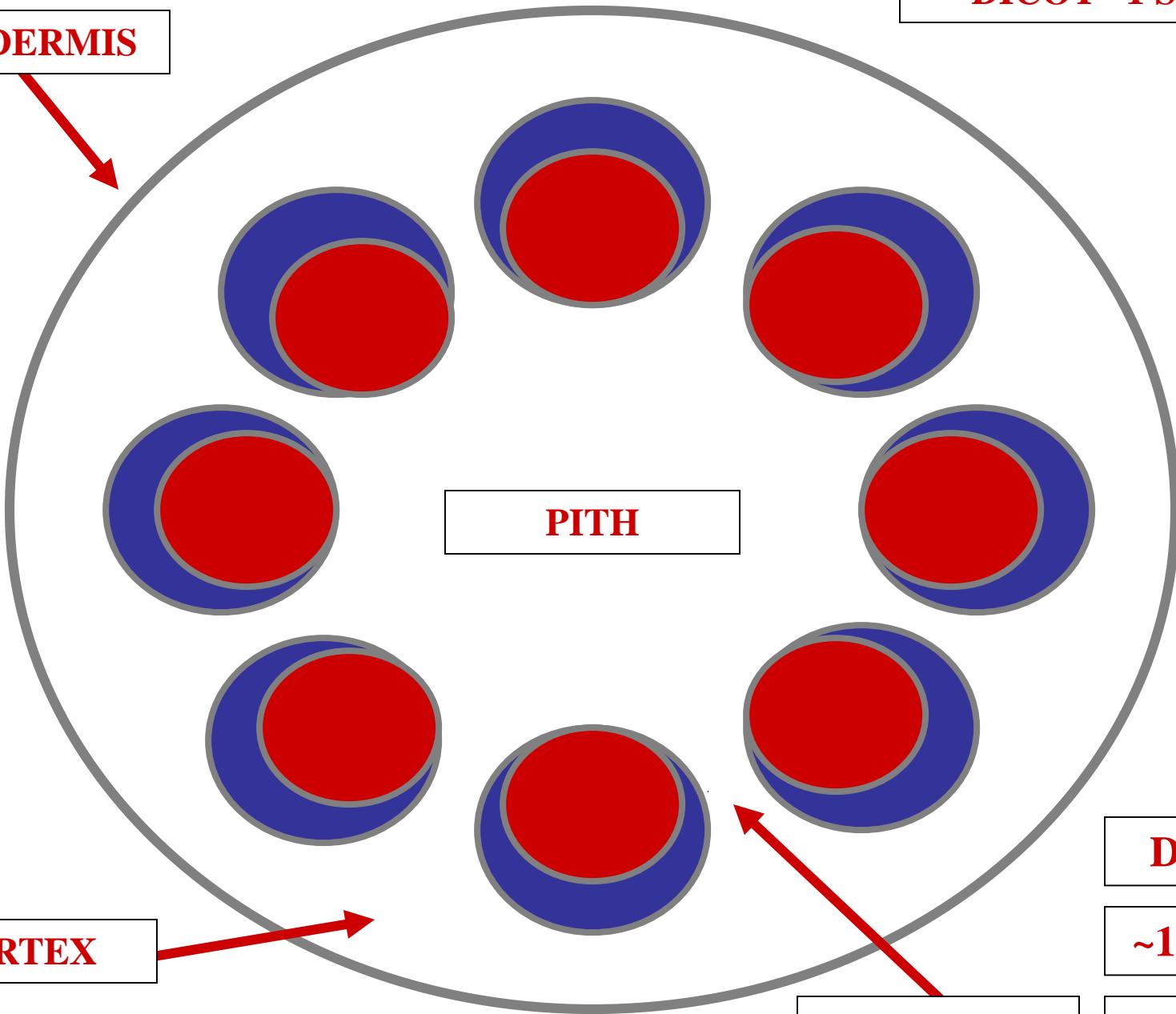
C.S.



DICOT ~1 STEM



EPIDERMIS



DICOT

~1 STEM

CORTEX

PITH RAY

C.S.

DICOT ~1 STEM

PC

PITH

PITH RAY

CORTEX

~1 STEM

C.S.

DICOT ~1 STEM

CD

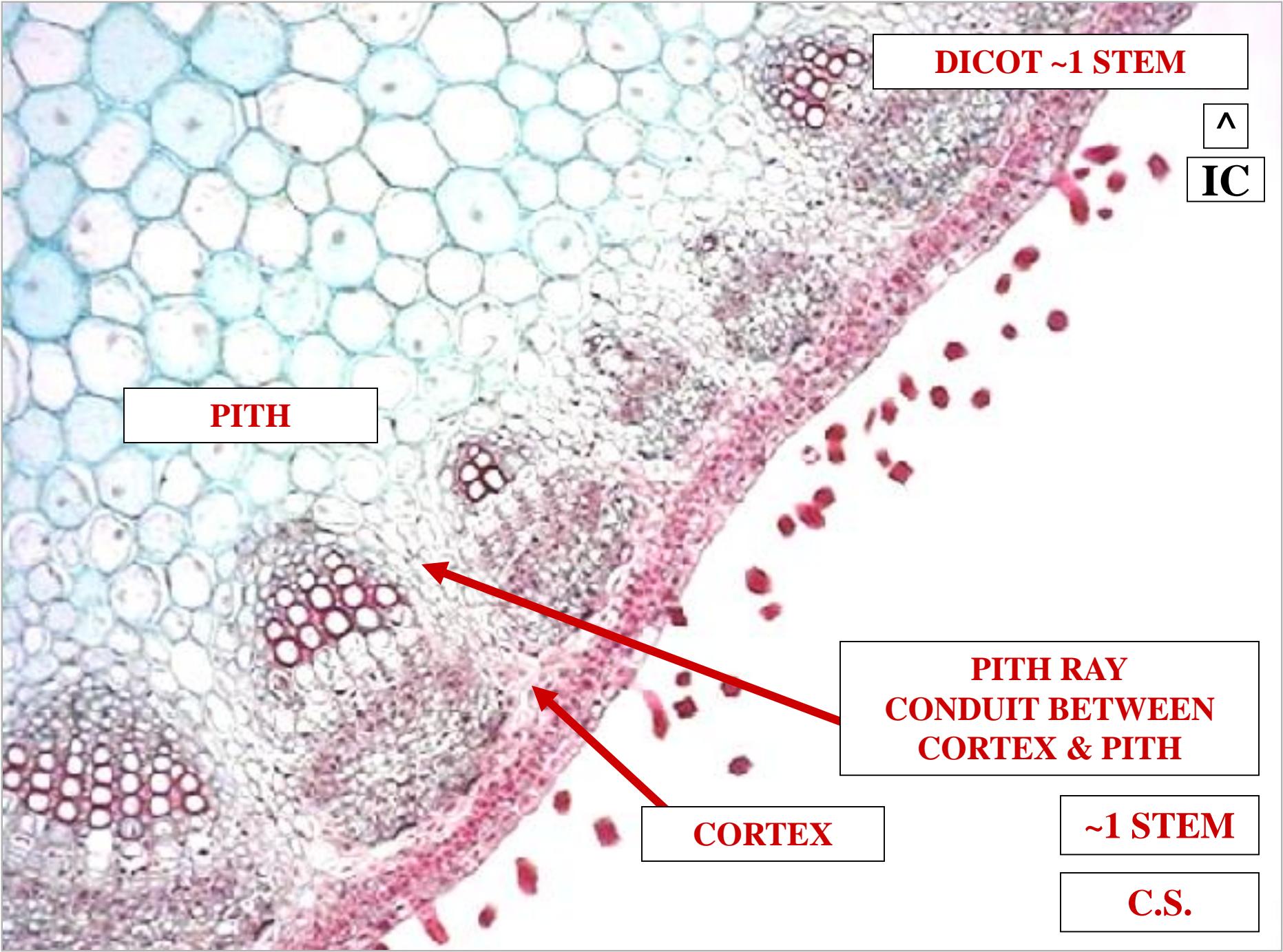
PITH

PITH RAY
PARENCHYMA CELLS

CORTEX

~1 STEM

C.S.



DICOT ~1 STEM

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PITH

PITH RAY
CONDUIT BETWEEN
CORTEX & PITH

CORTEX

~1 STEM

C.S.

INTERFASCICULAR CAMBIUM

INTERFASCICULAR CAMBIUM

WITHIN PITH RAY
SINGLE PARENCHYMA CELL LAYER

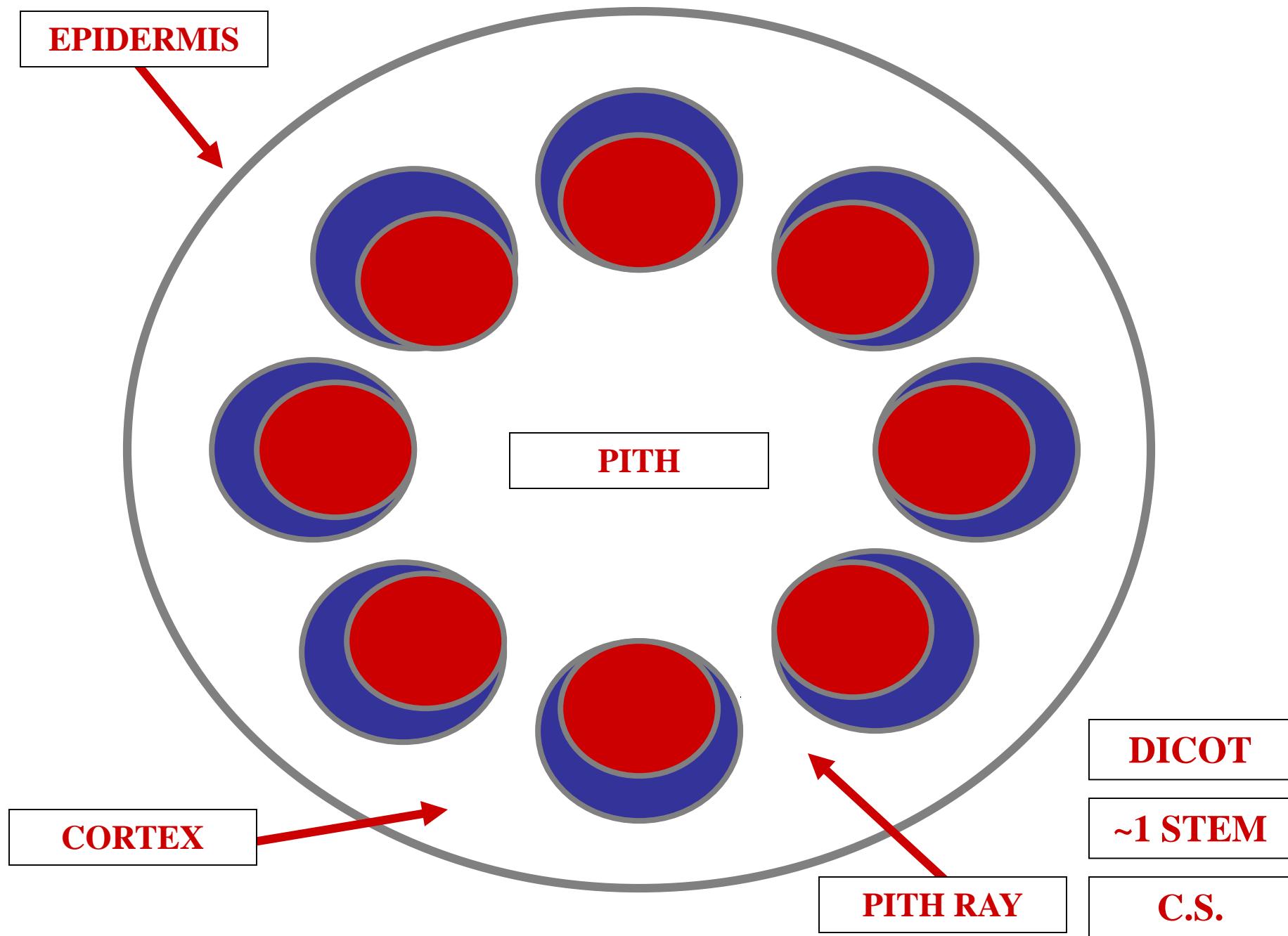
INTERFASCICULAR CAMBIUM

INTERFASCICULAR CAMBIUM

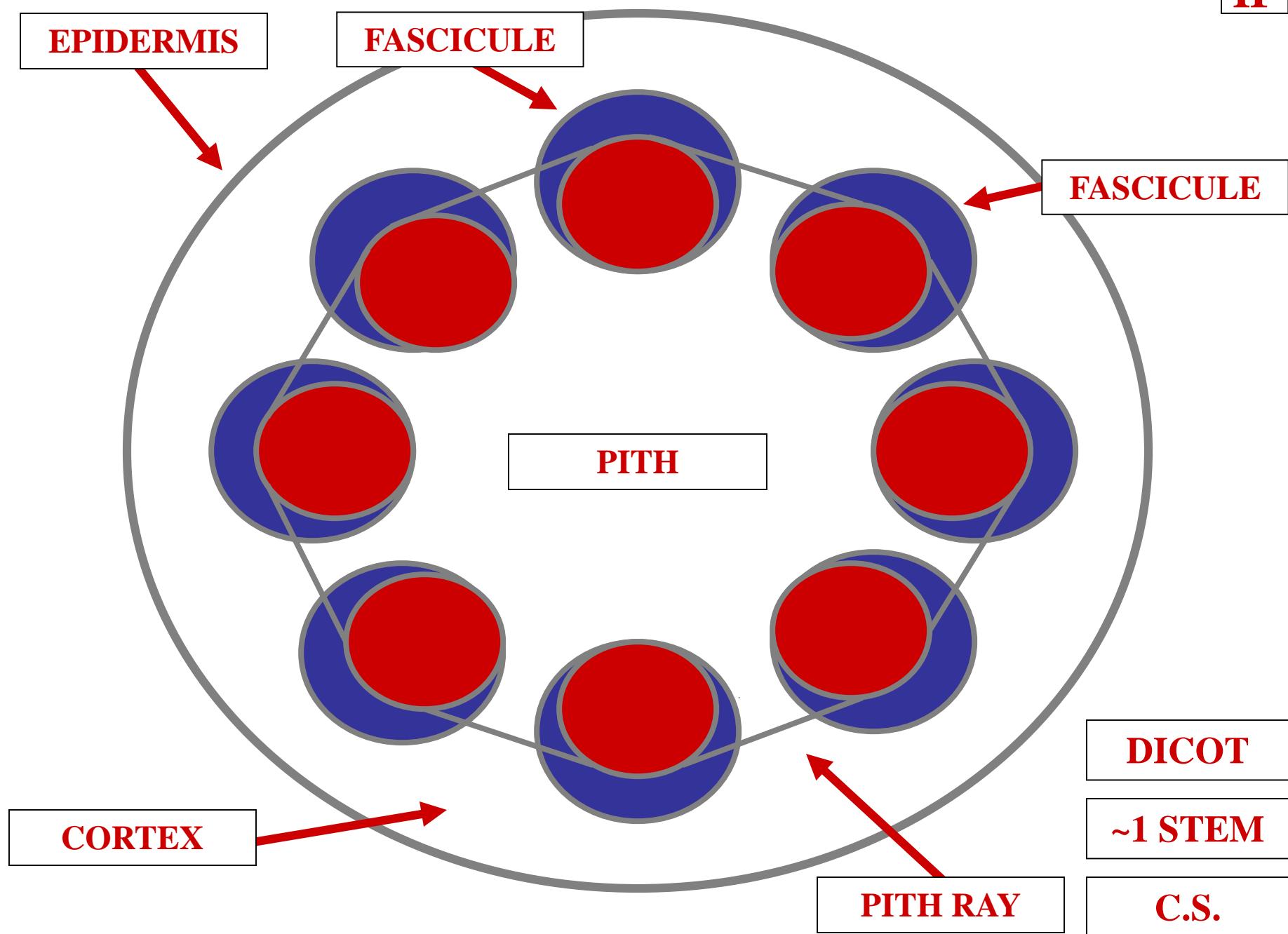
**WITHIN PITH RAY
SINGLE PARENCHYMA CELL LAYER**

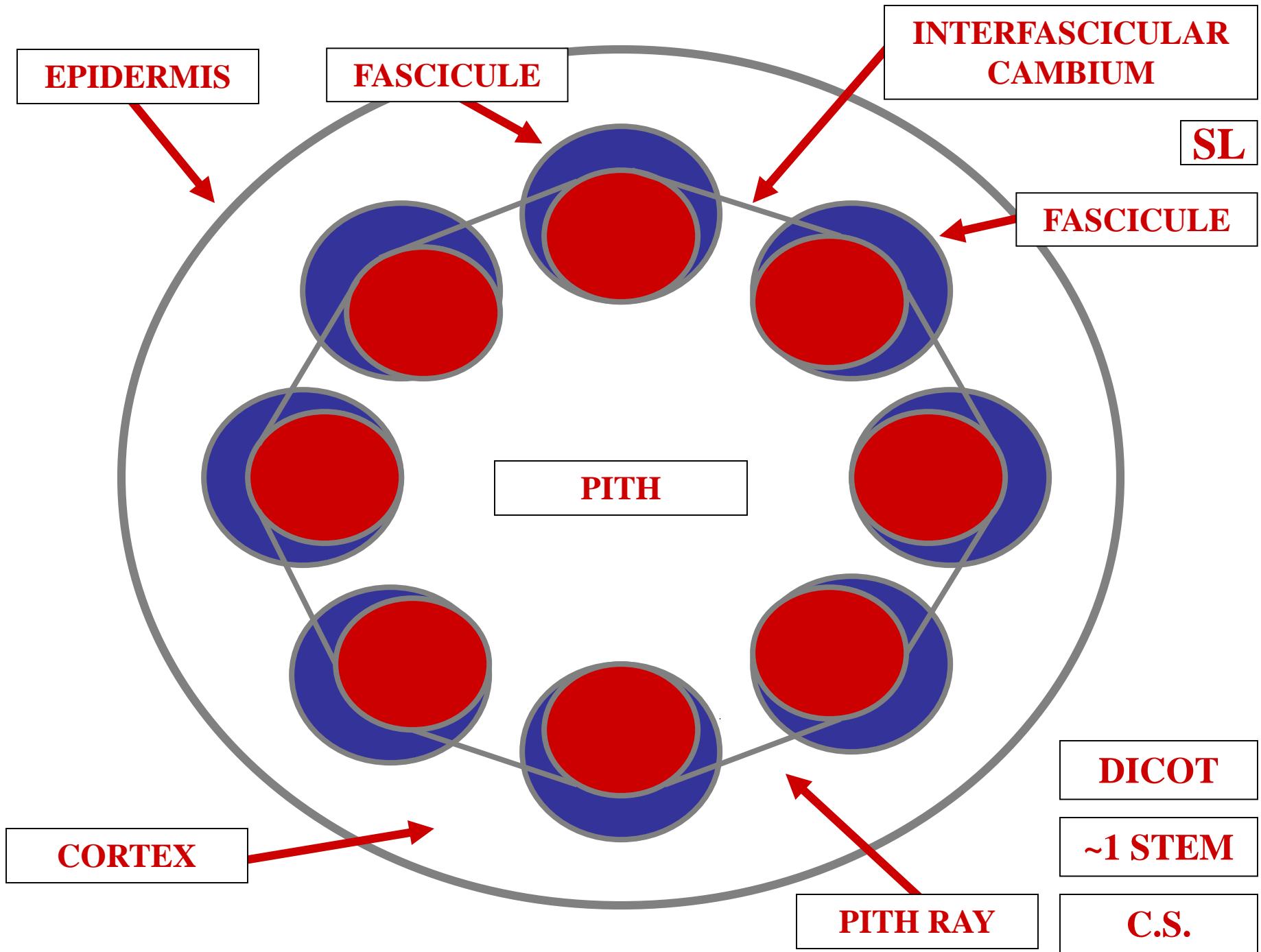
POTENTIALLY MERISTEMATIC

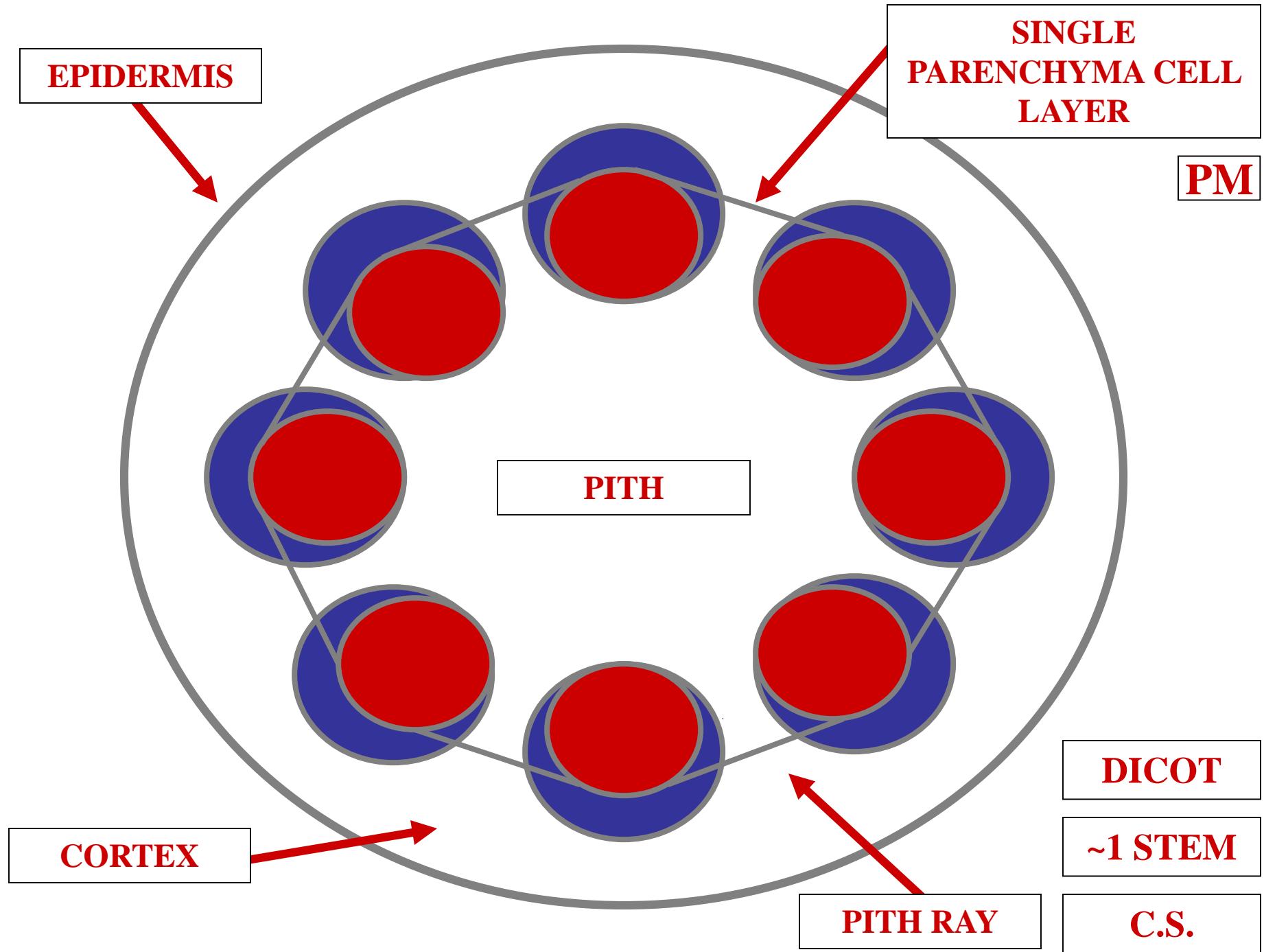
INTERFASCICULAR CAMBIUM

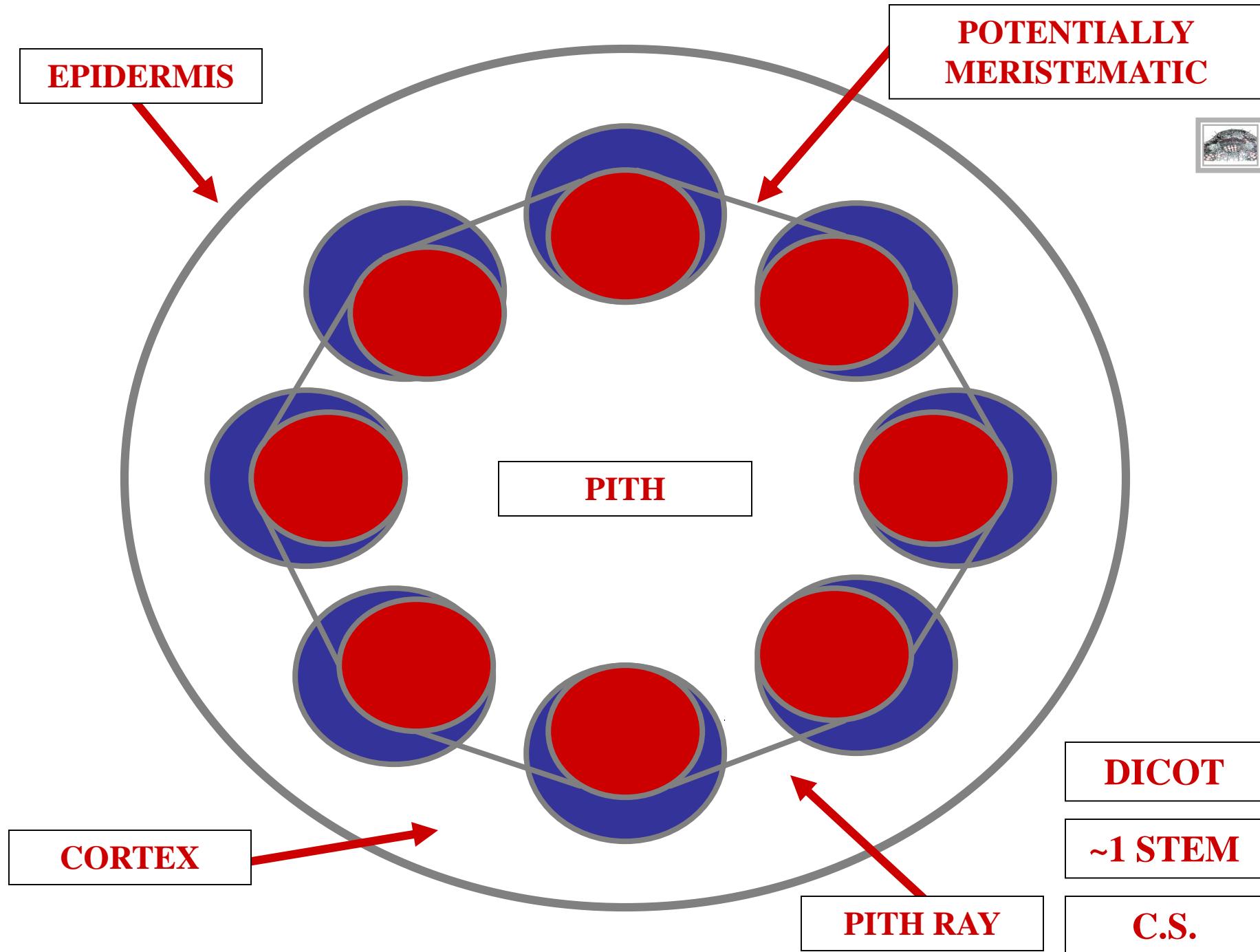


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