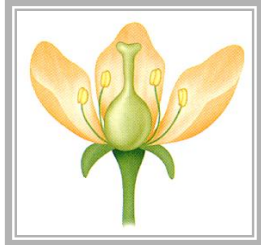
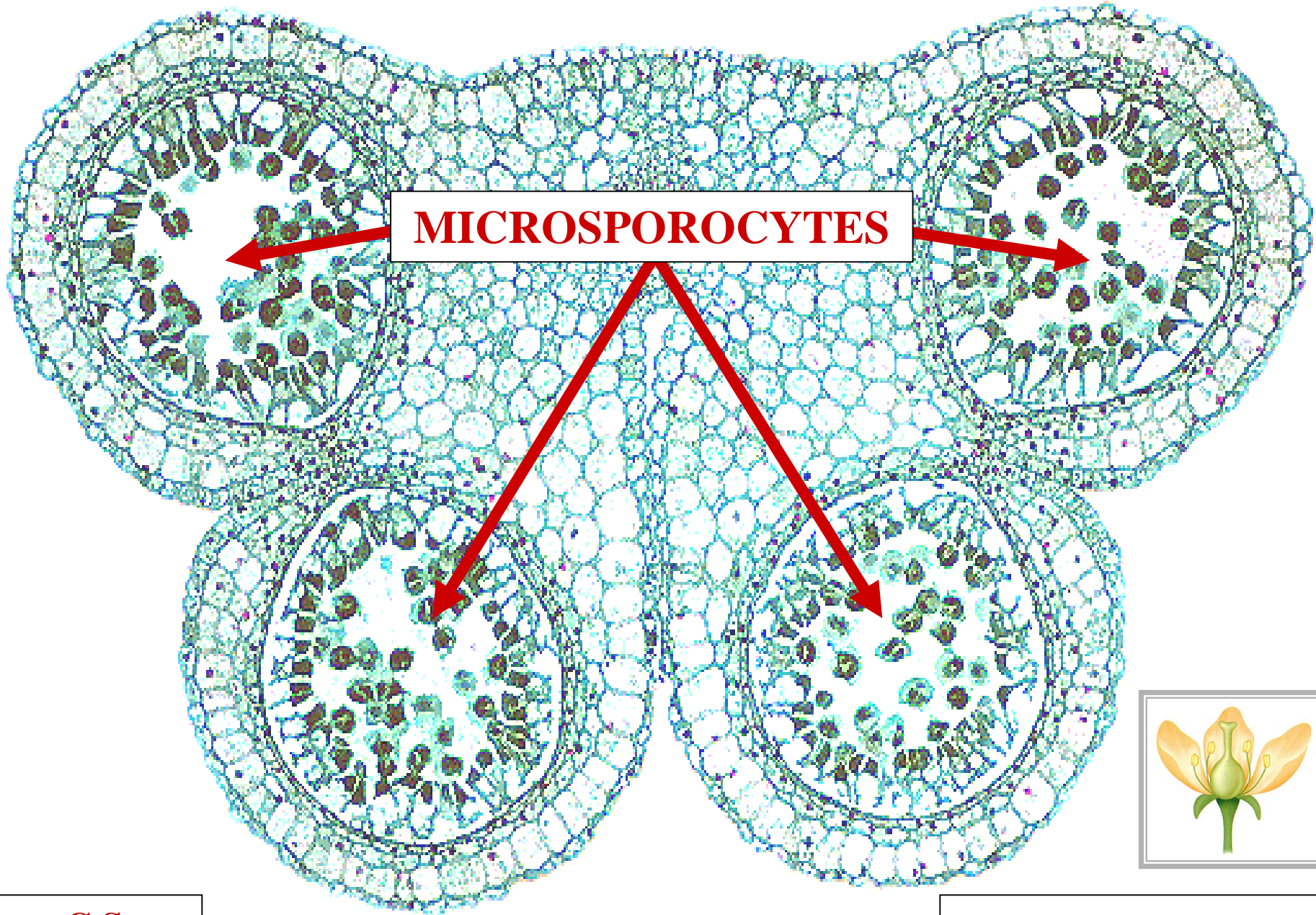
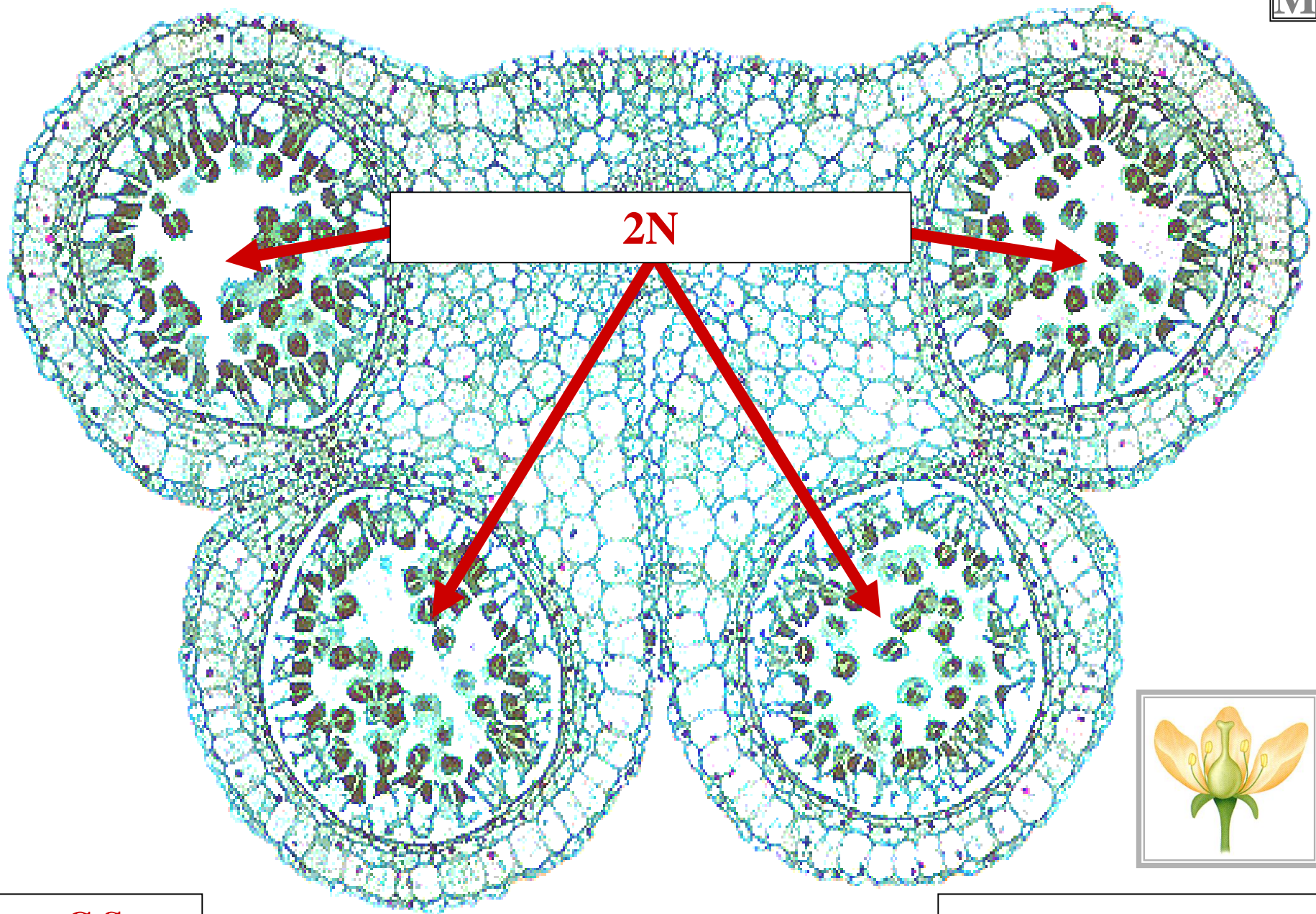


MICROSPOROCYTES



C.S.

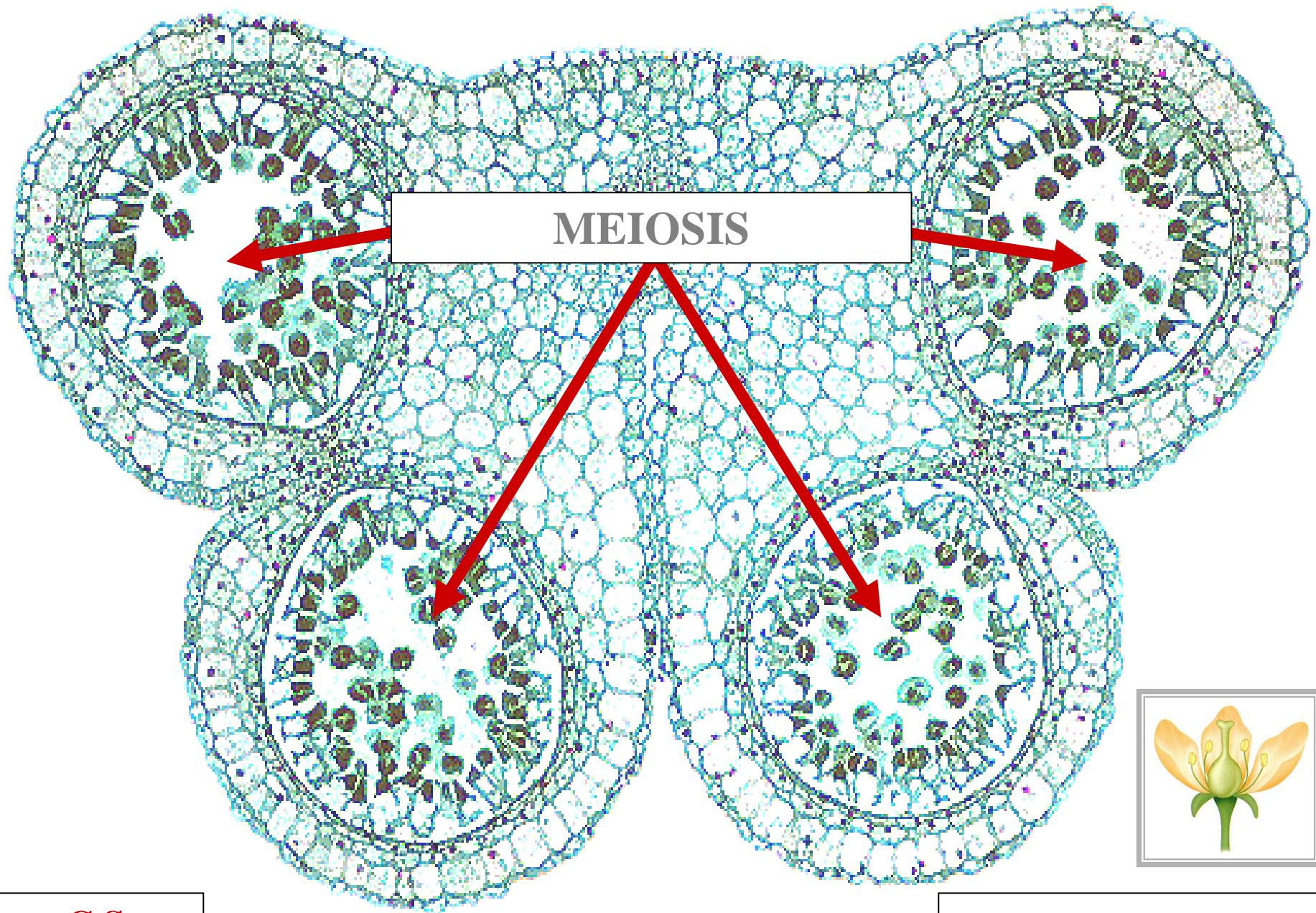
ANTHER



C.S.

ANTHER



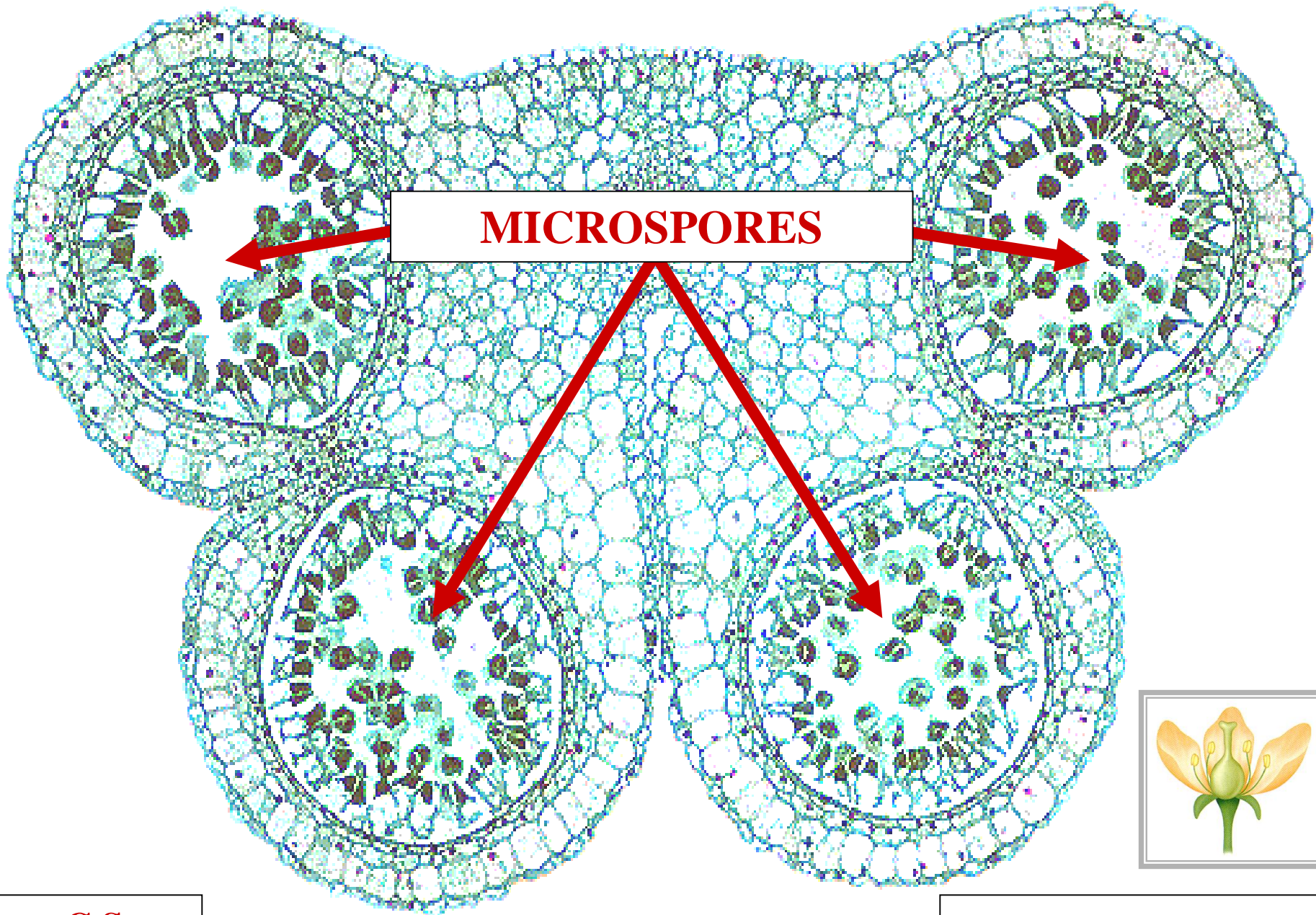


MEIOSIS

C.S.

ANTHER



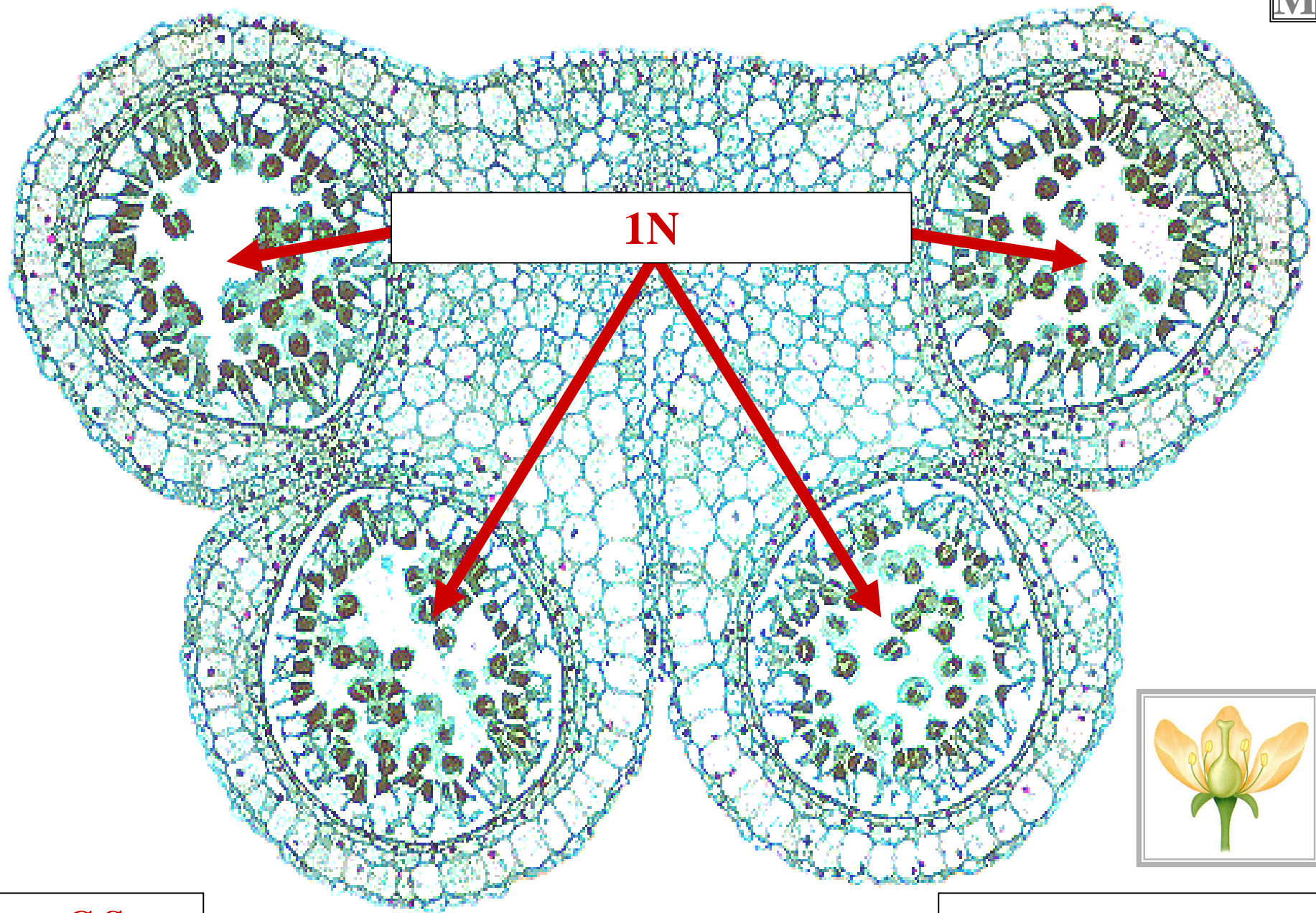


MICROSPORES

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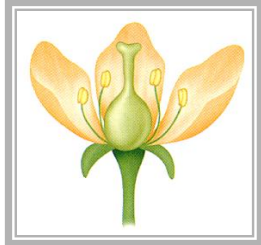
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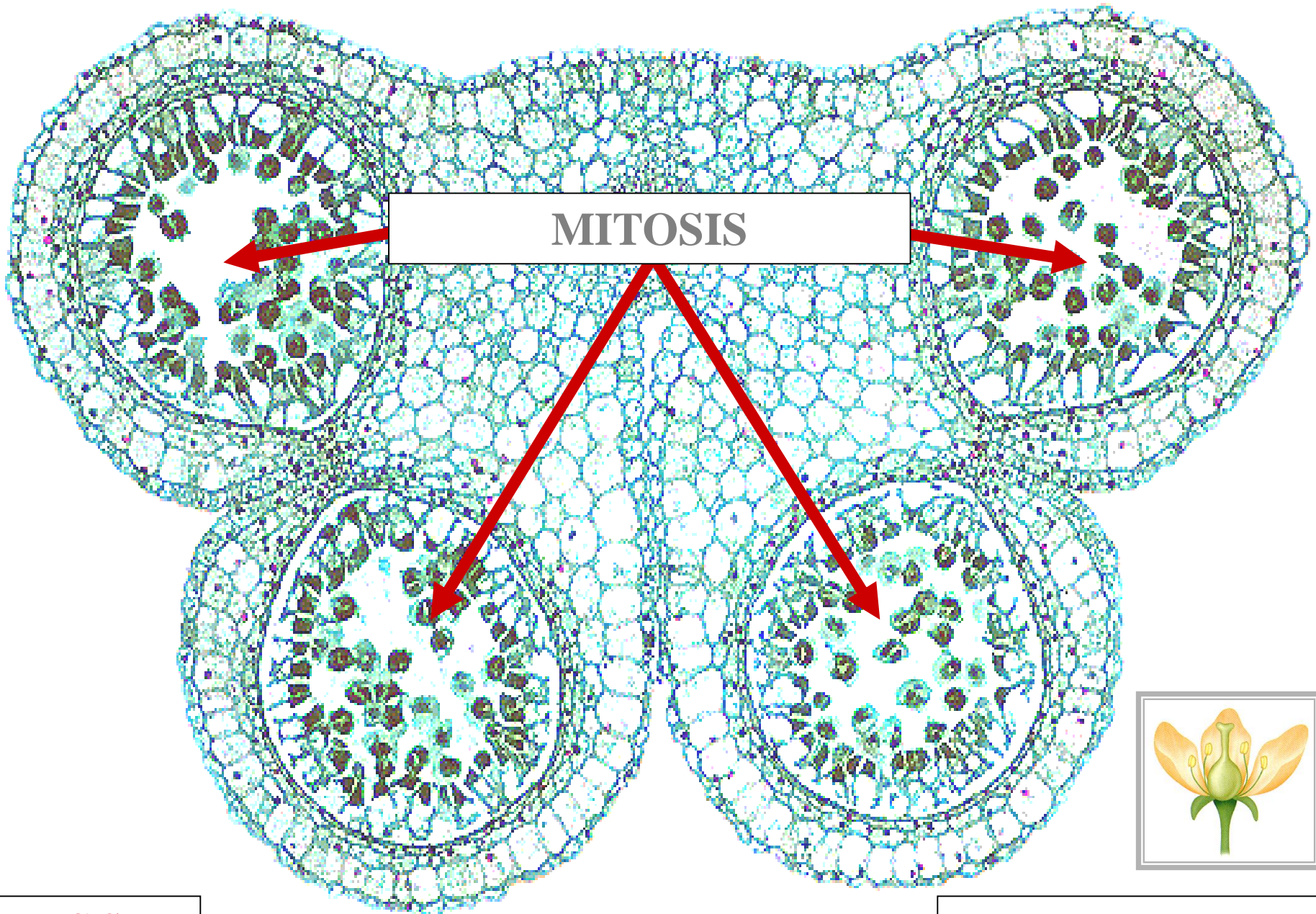




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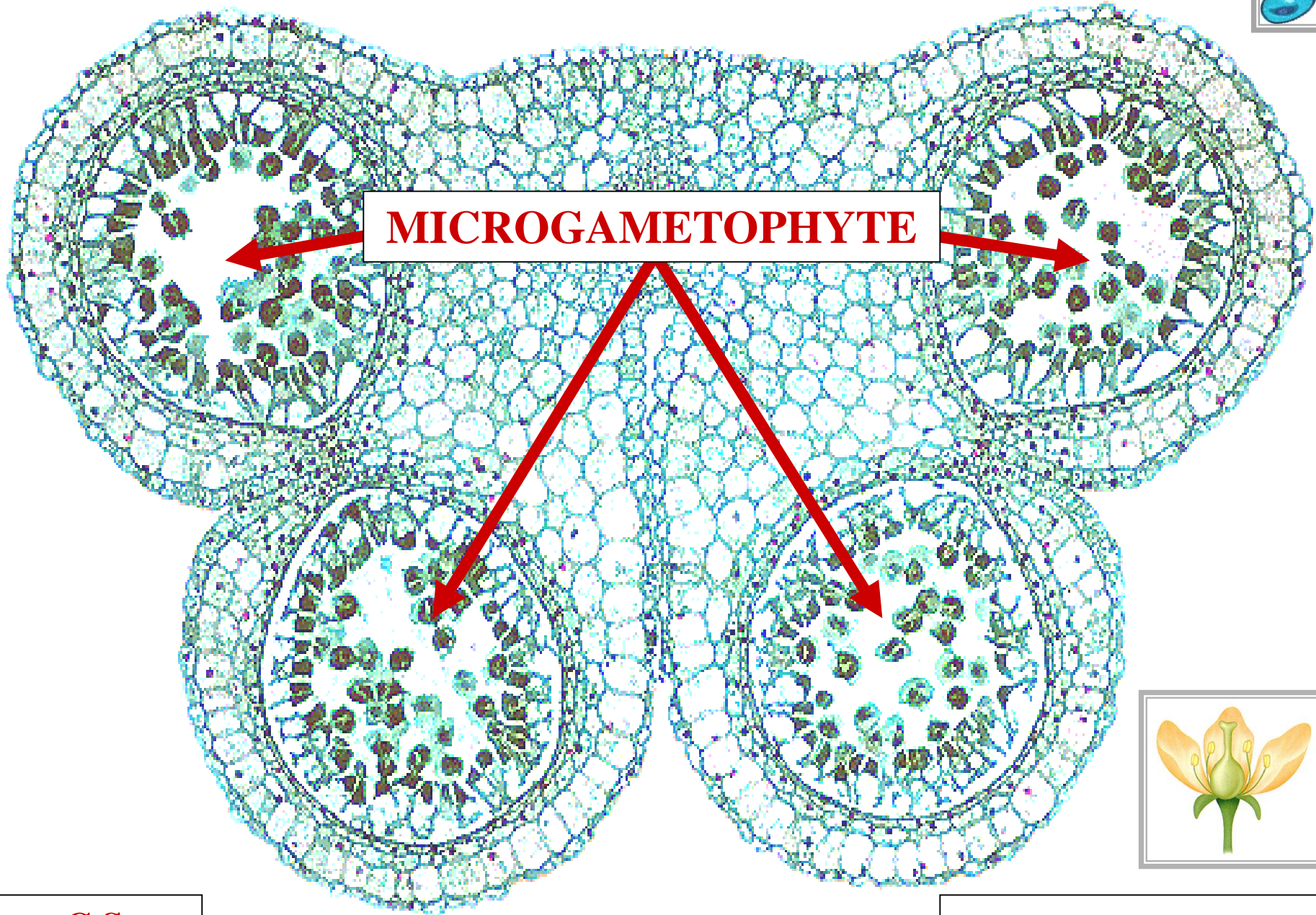
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C.S.

ANTHER

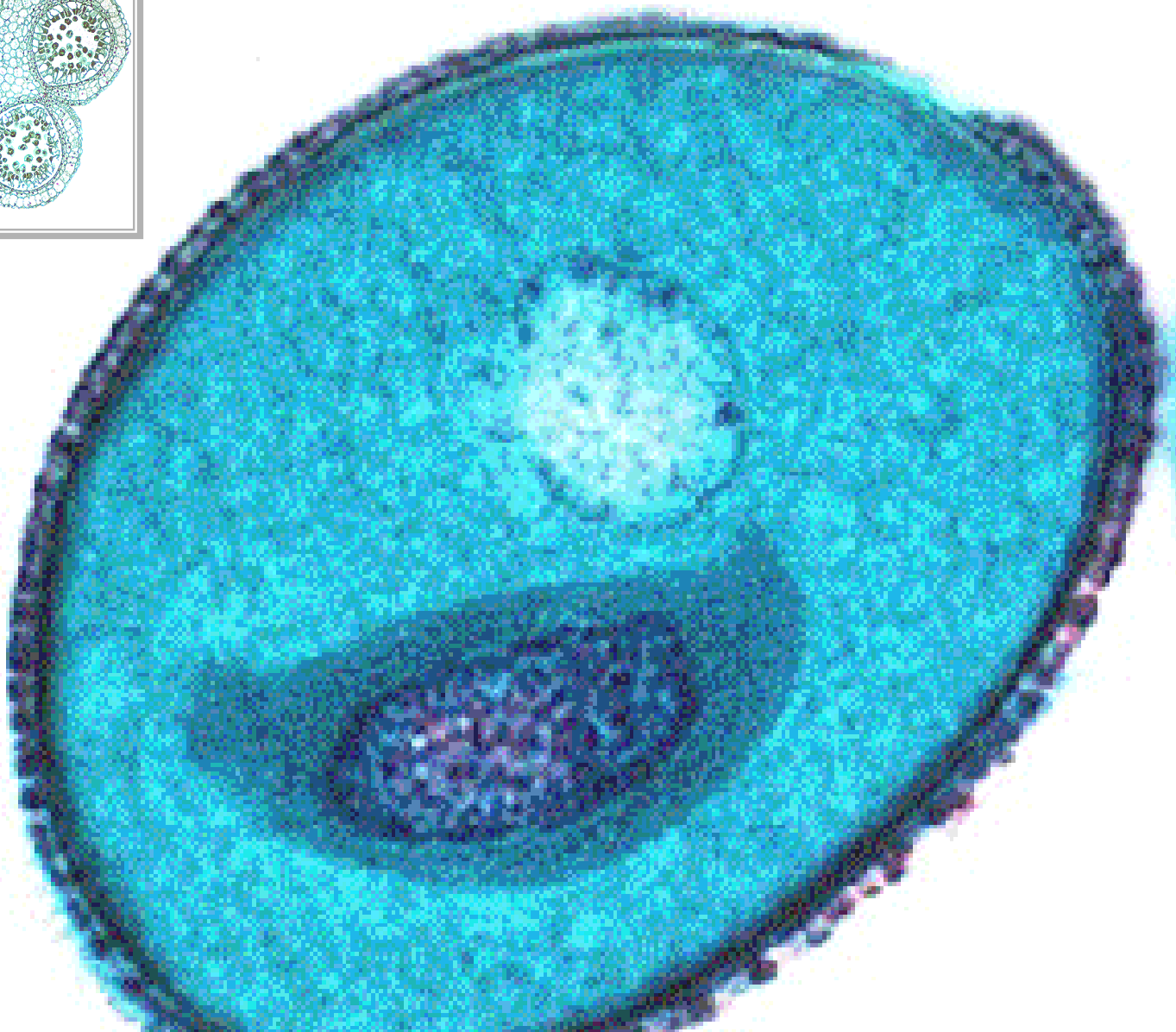
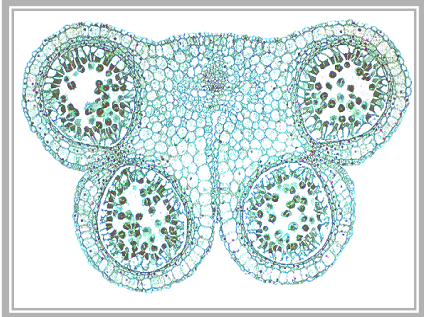


MICROGAMETOPHYTE

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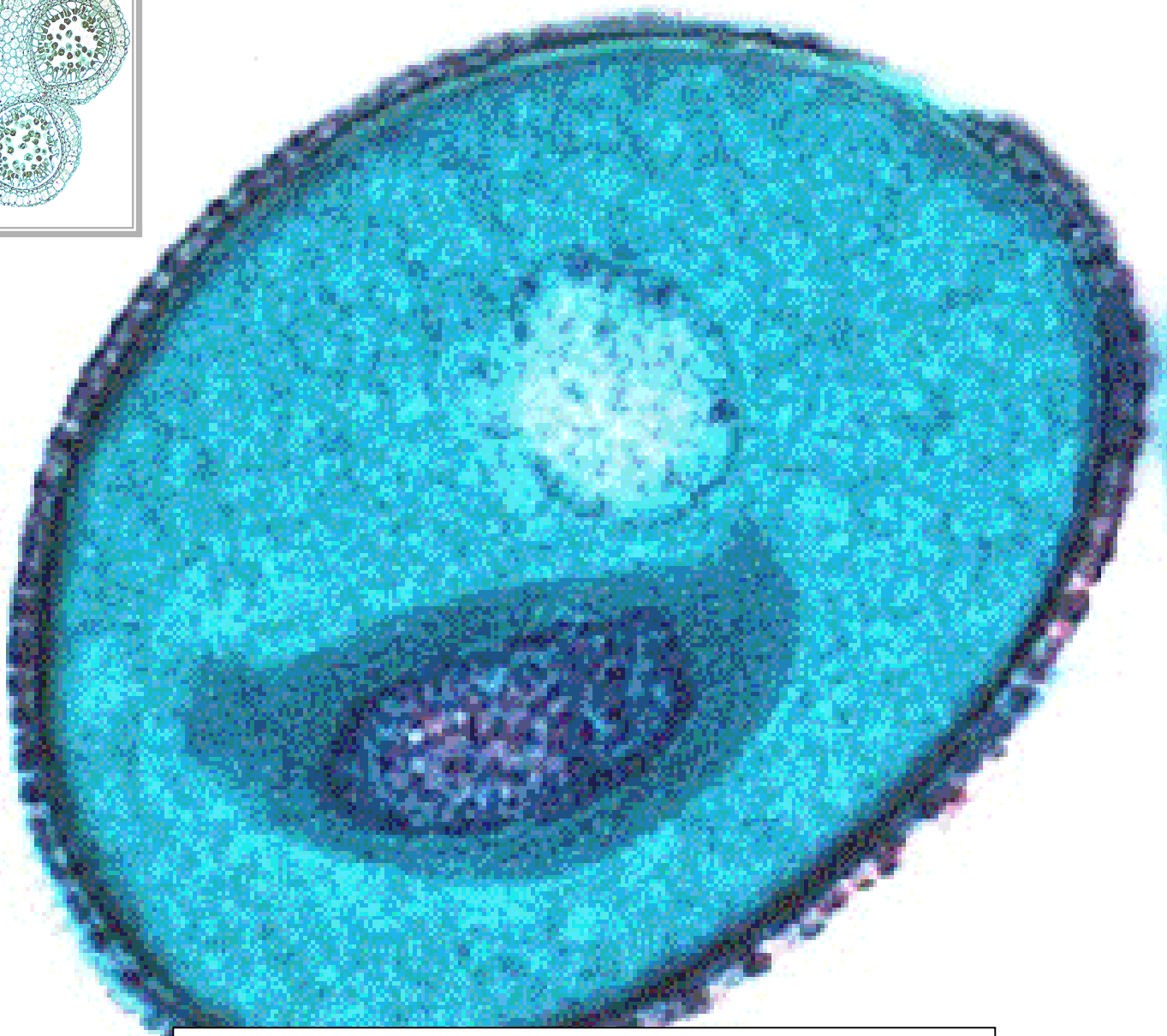
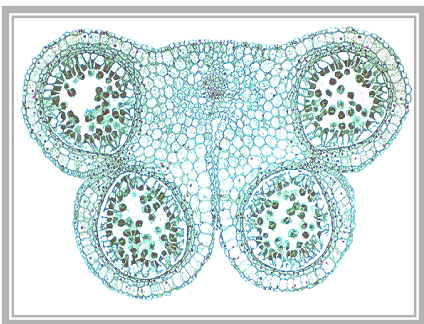
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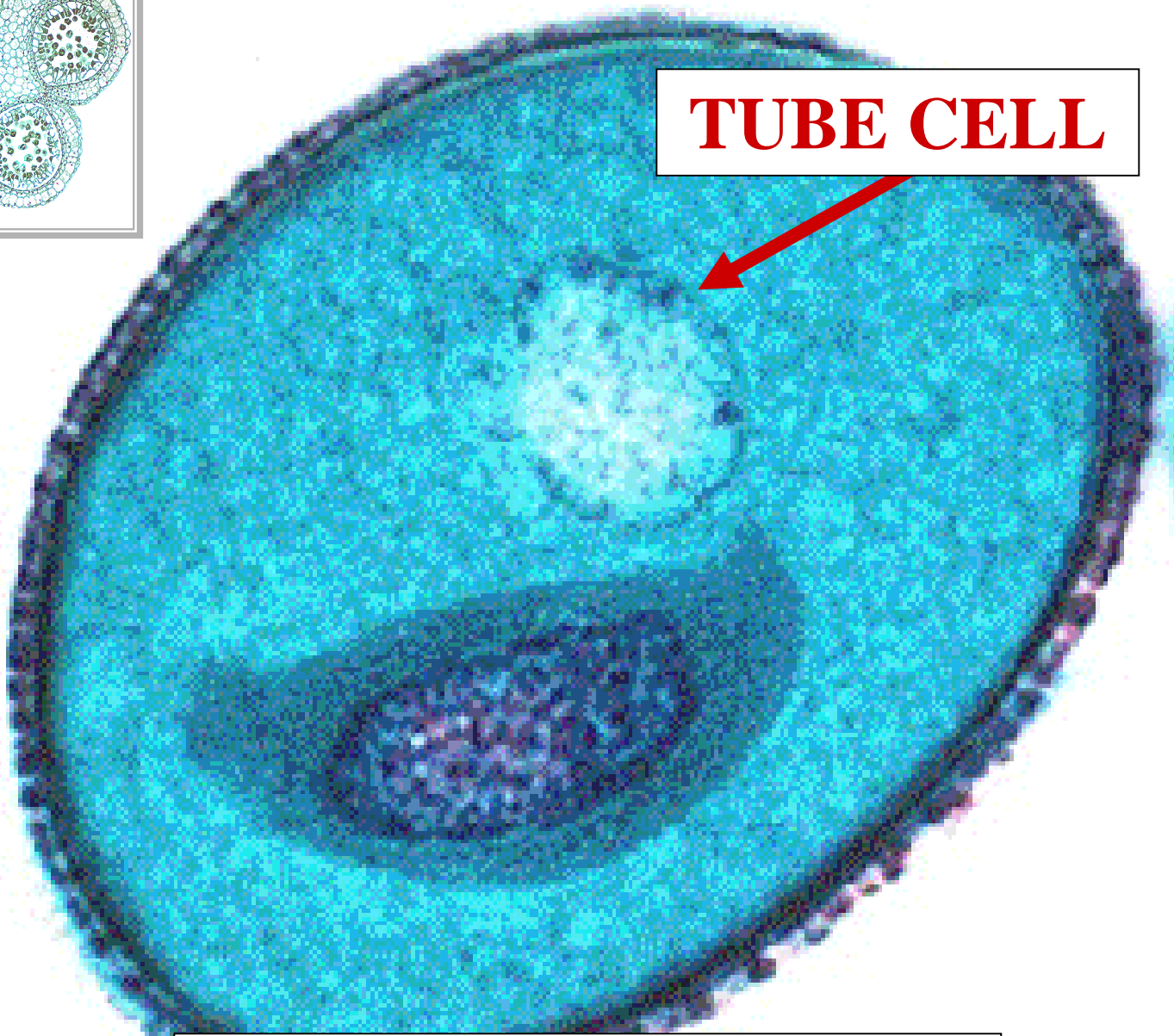
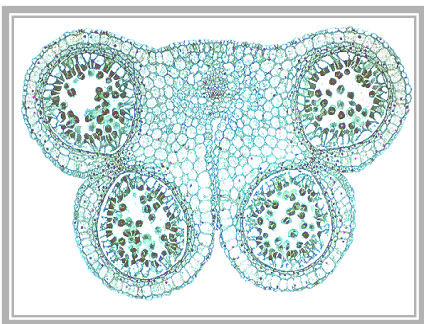
L.S.

MICROGAMETOPHYTE



L.S.

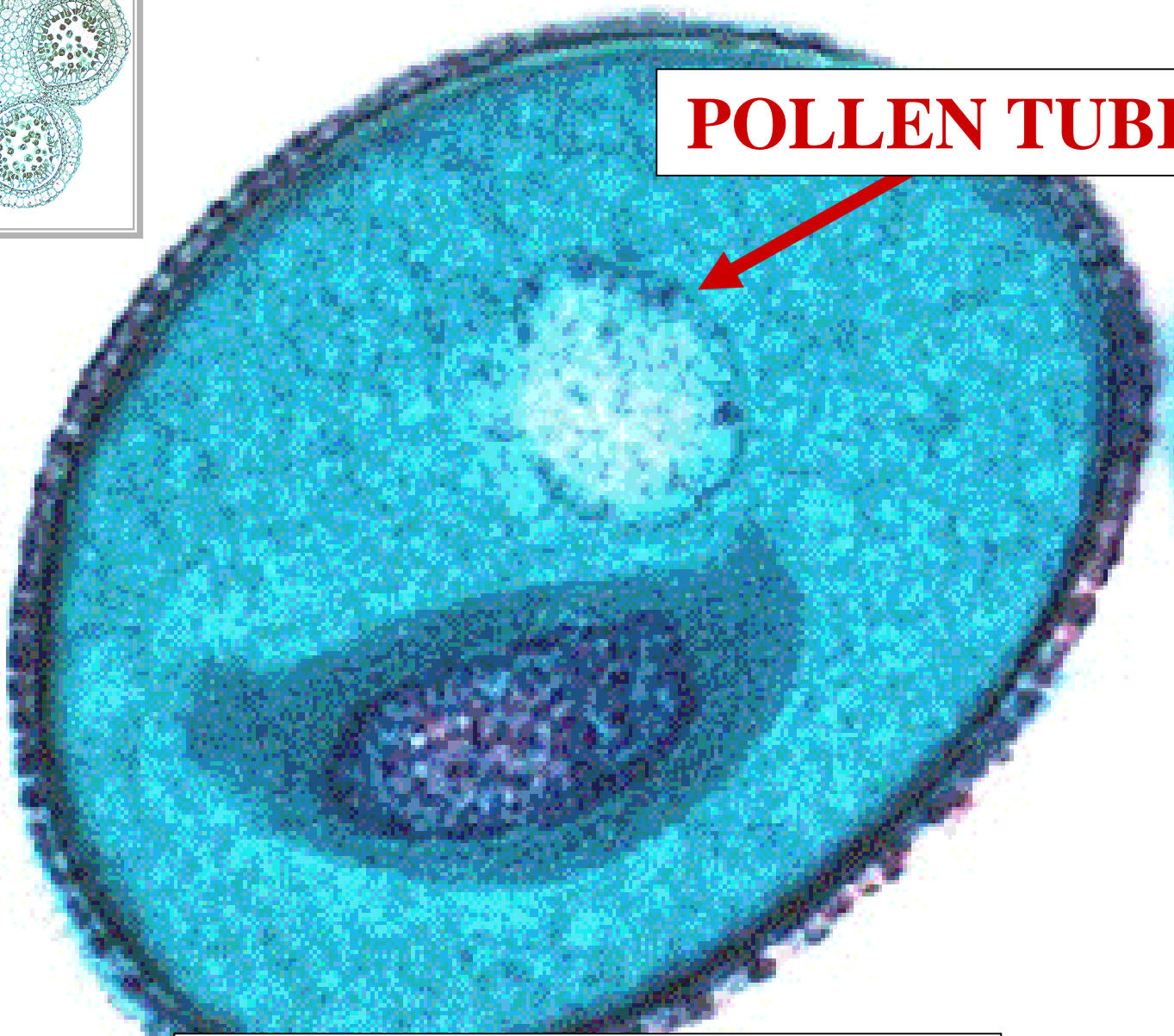
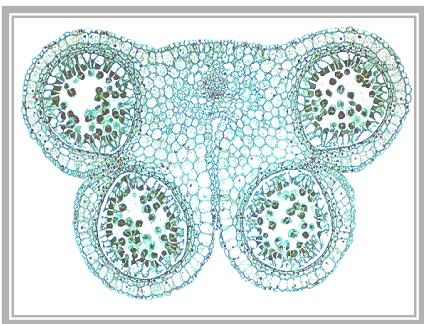
POLLEN GRAIN



TUBE CELL

L.S.

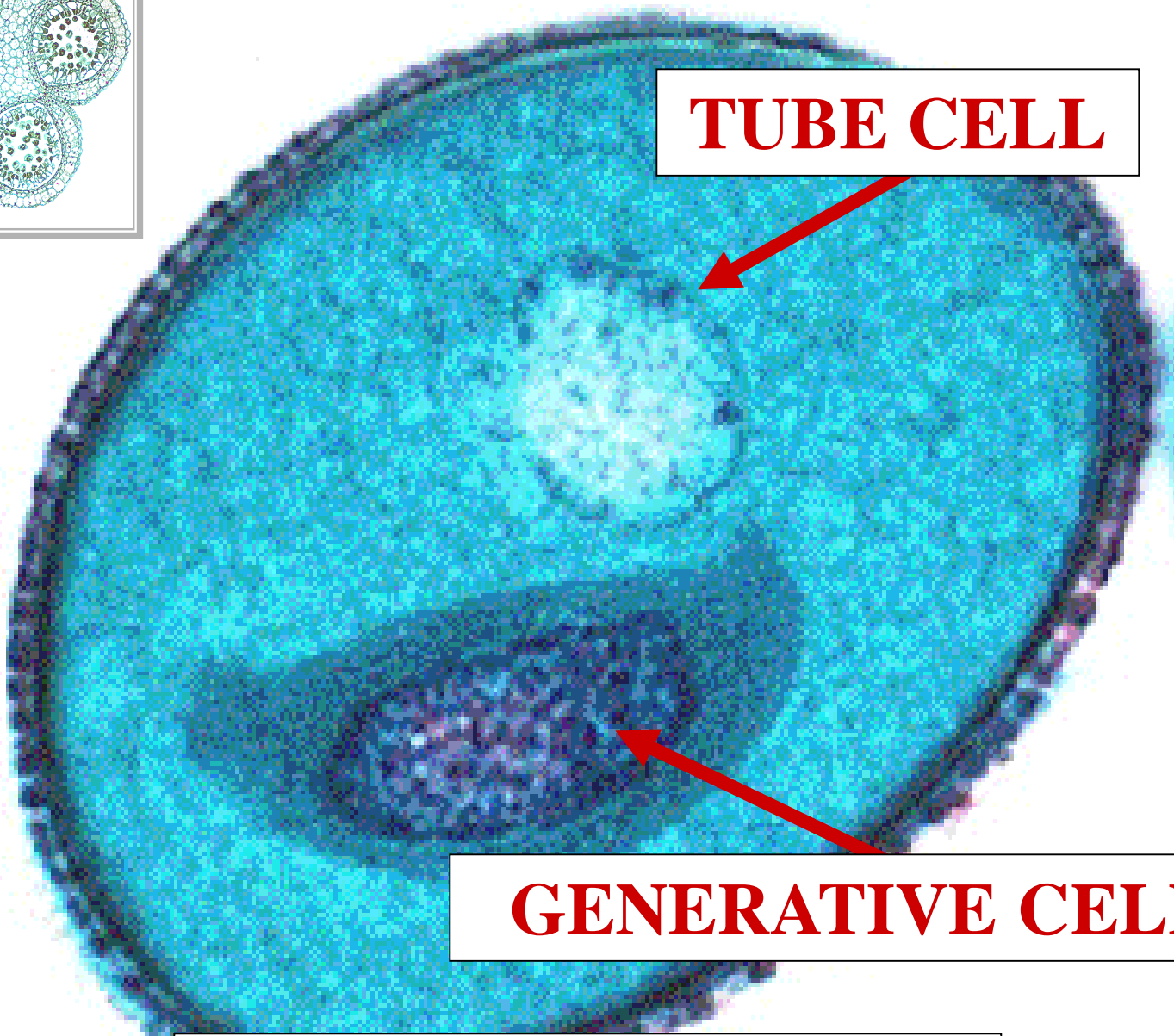
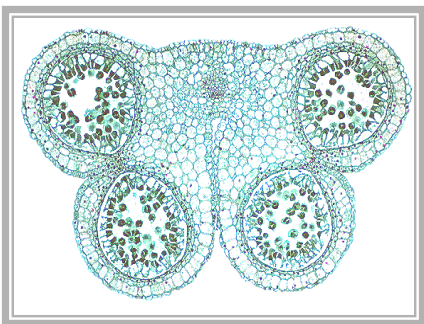
POLLEN GRAIN



POLLEN TUBE

L.S.

POLLEN GRAIN

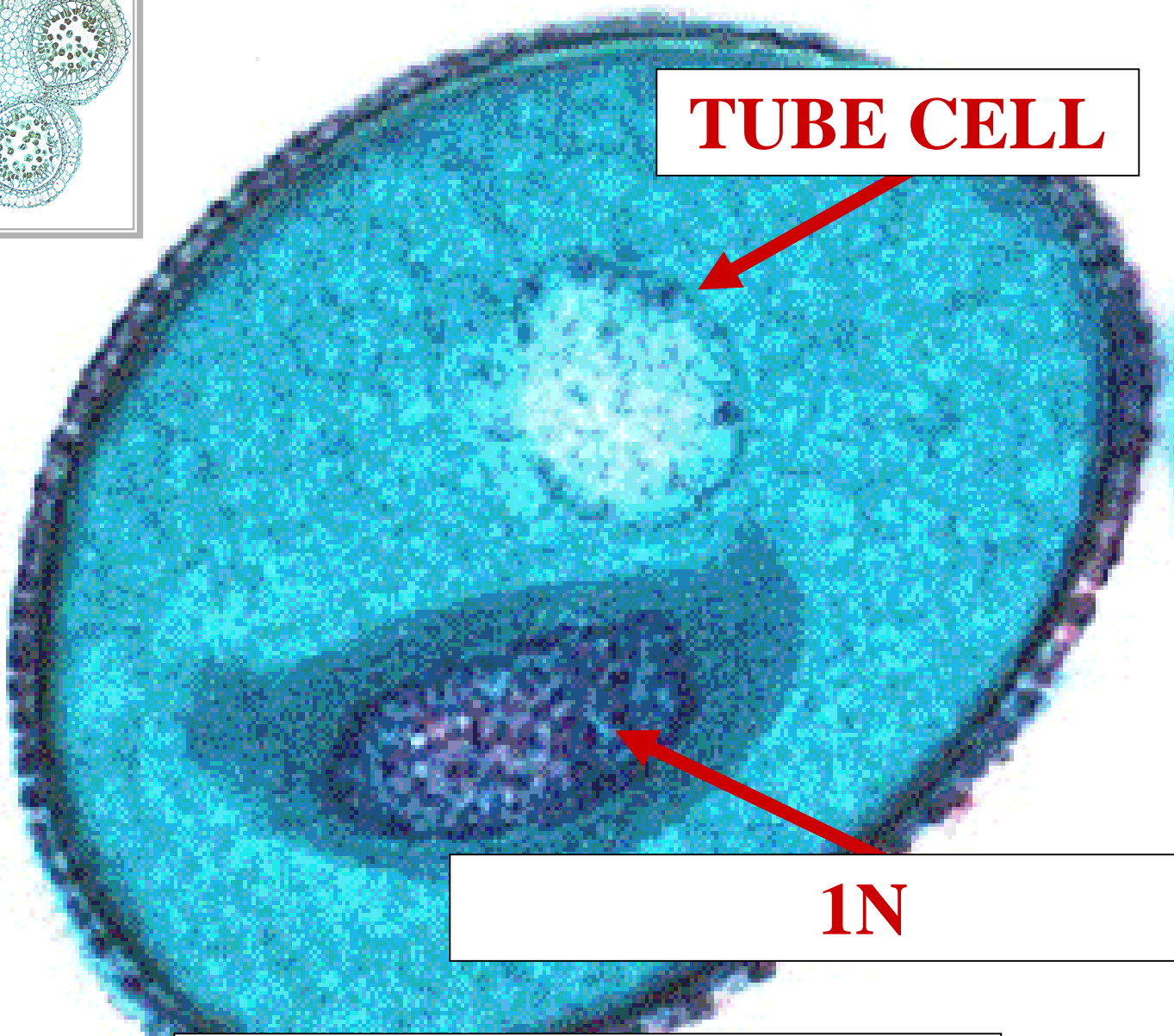
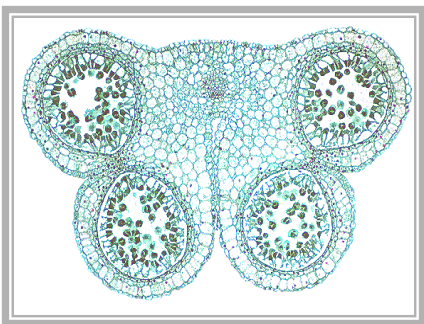


TUBE CELL

GENERATIVE CELL

L.S.

POLLEN GRAIN

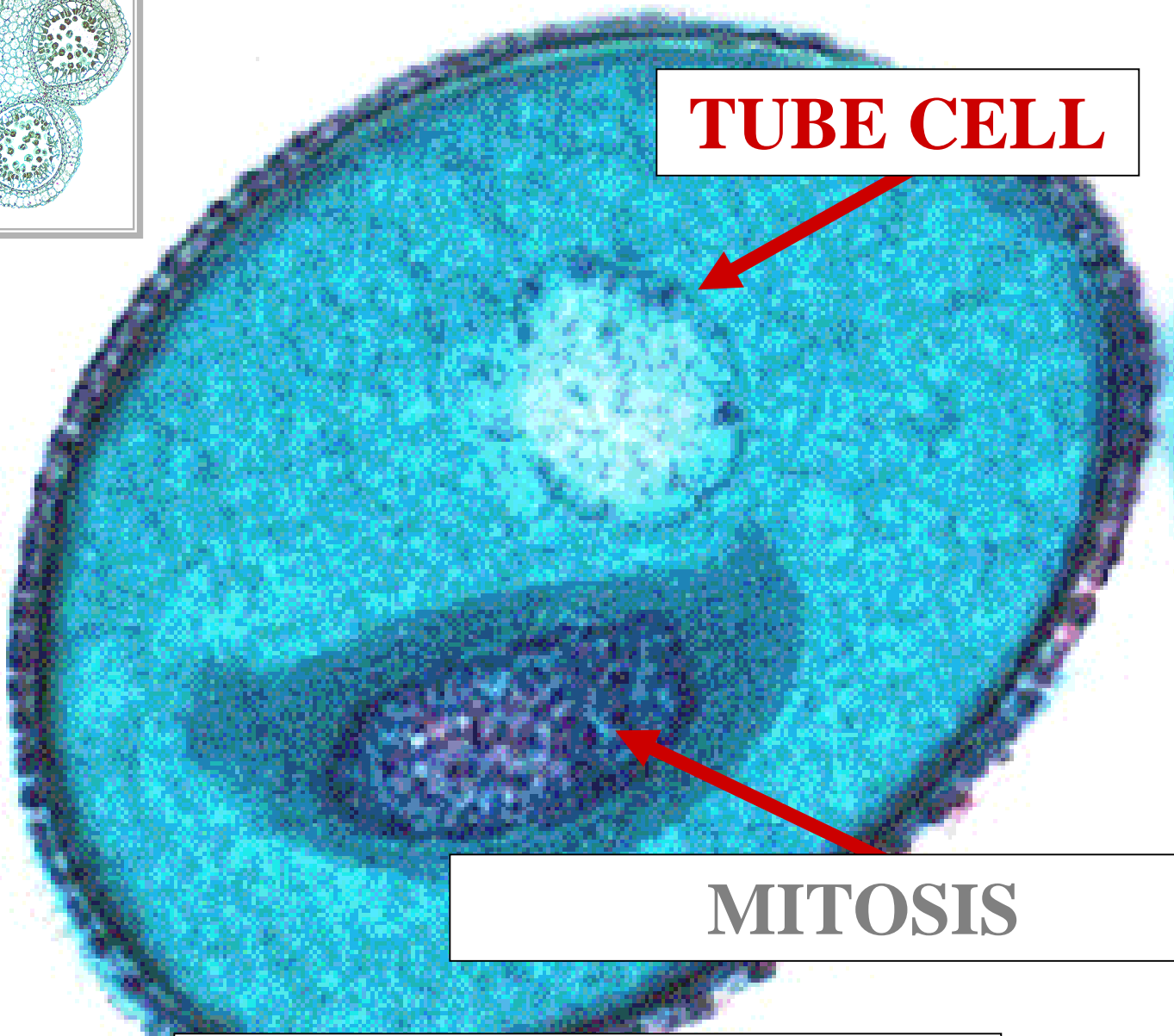
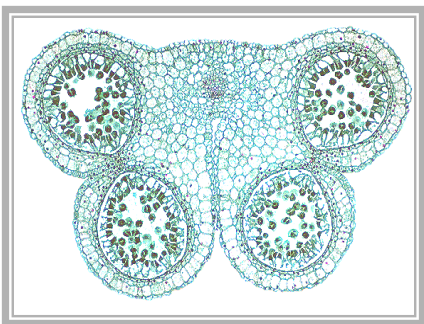


TUBE CELL

1N

L.S.

POLLEN GRAIN

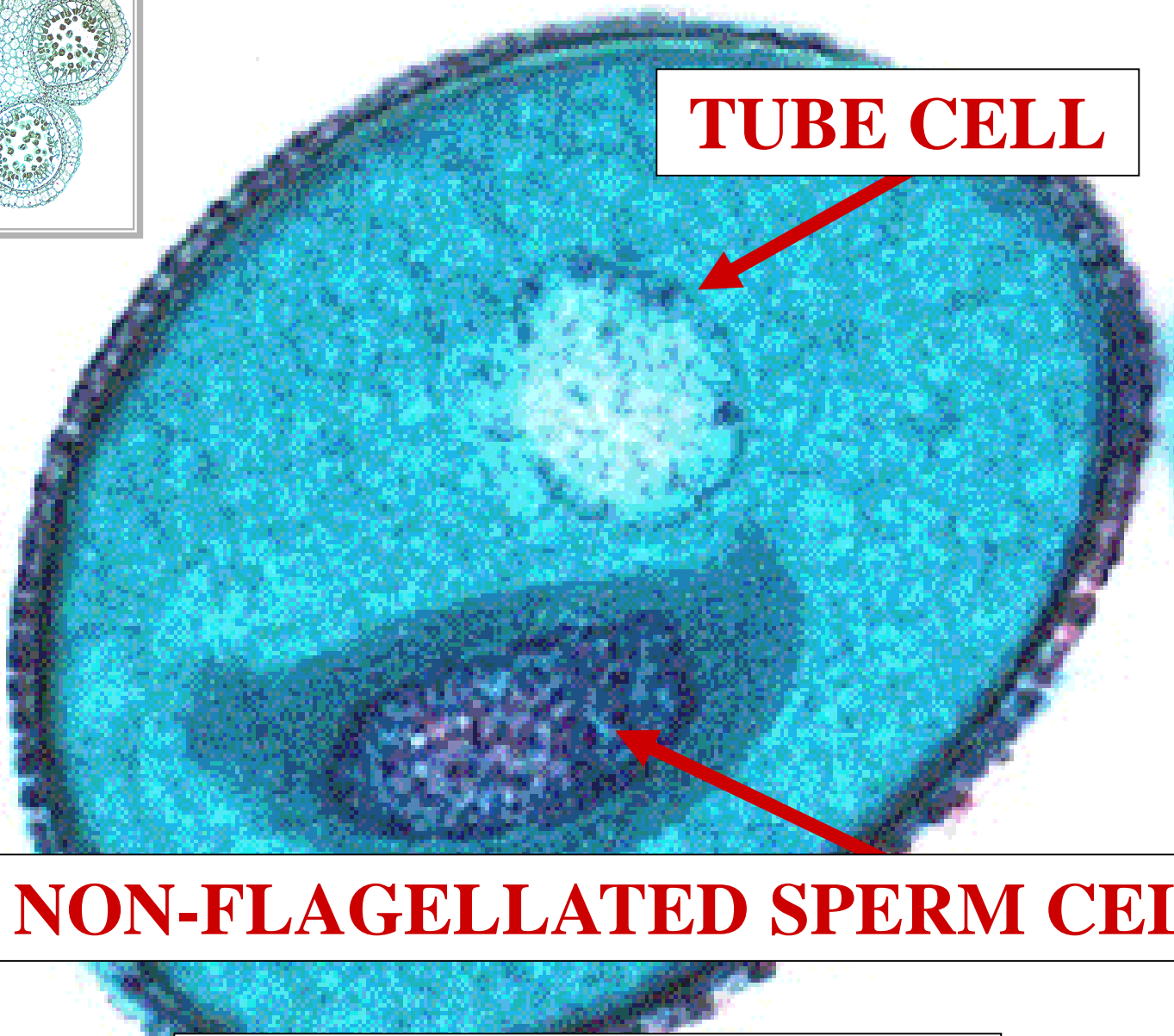
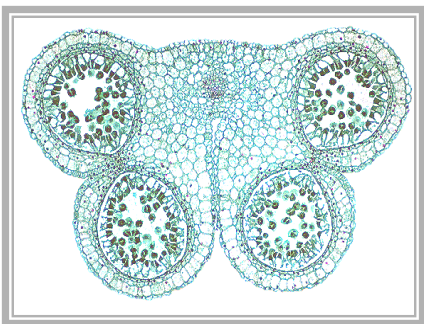


TUBE CELL

MITOSIS

L.S.

POLLEN GRAIN

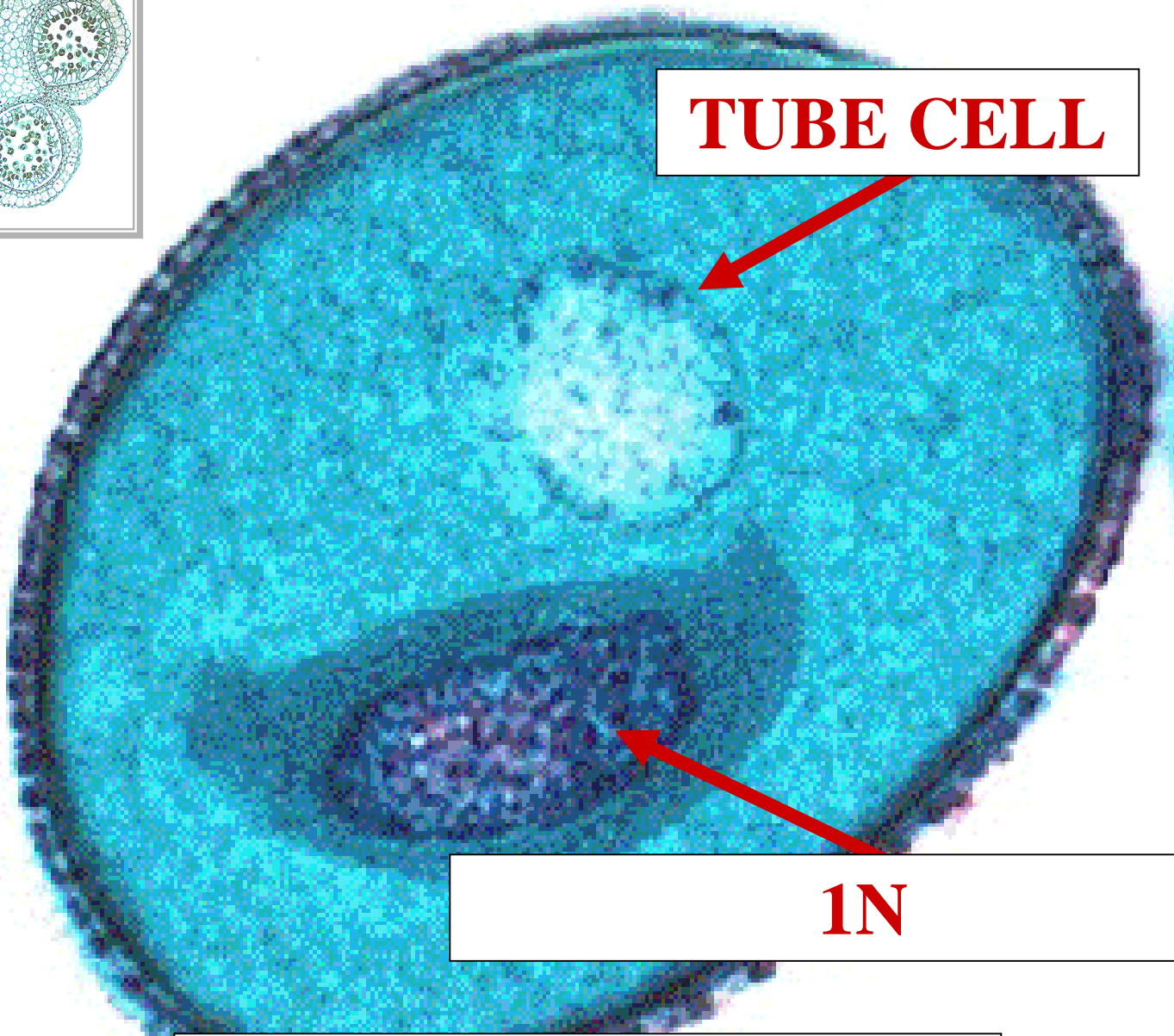
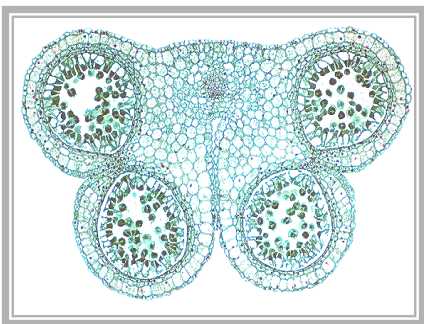


TUBE CELL

2 NON-FLAGELLATED SPERM CELLS

L.S.

POLLEN GRAIN



TUBE CELL

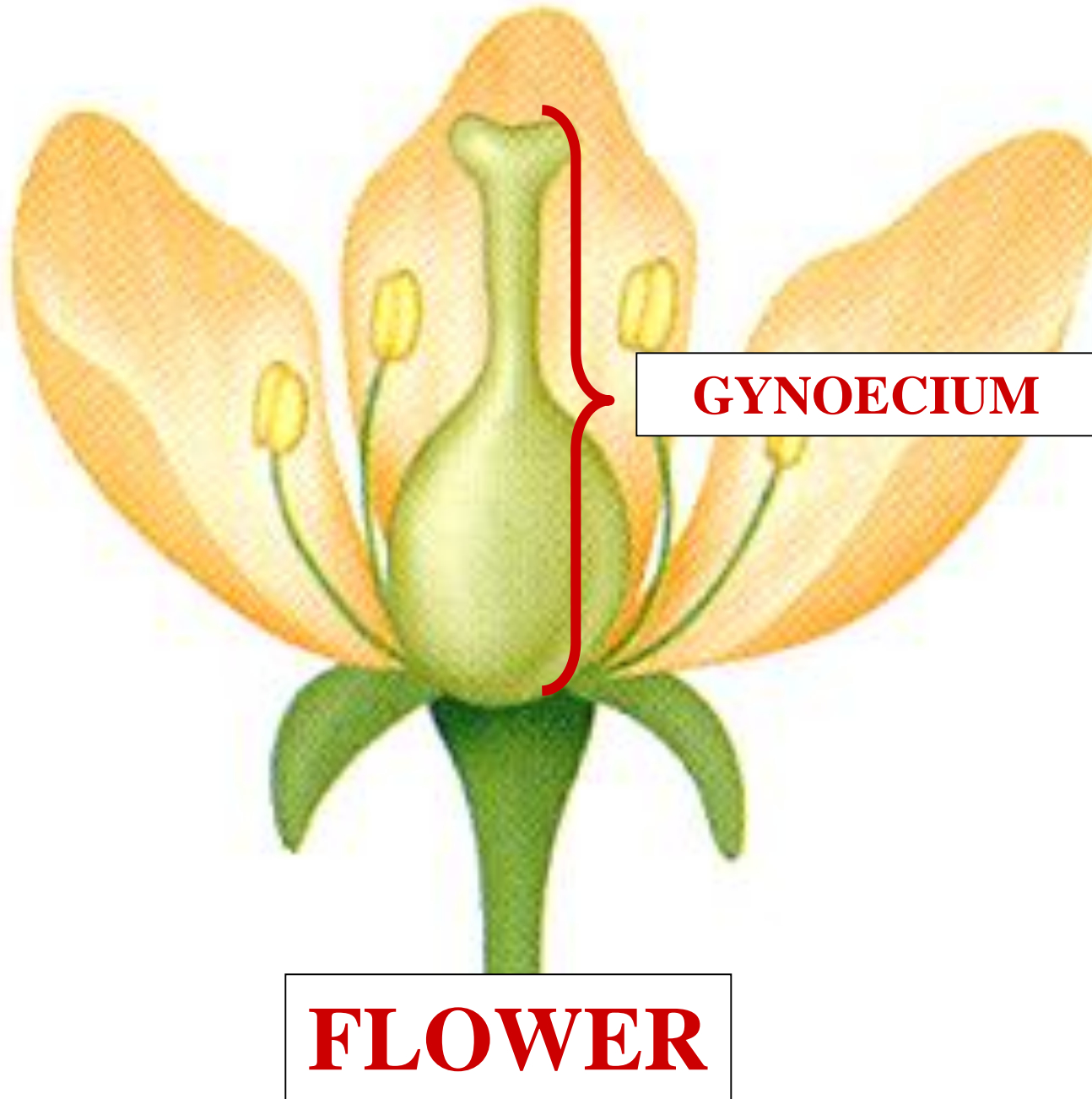
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L.S.

POLLEN GRAIN

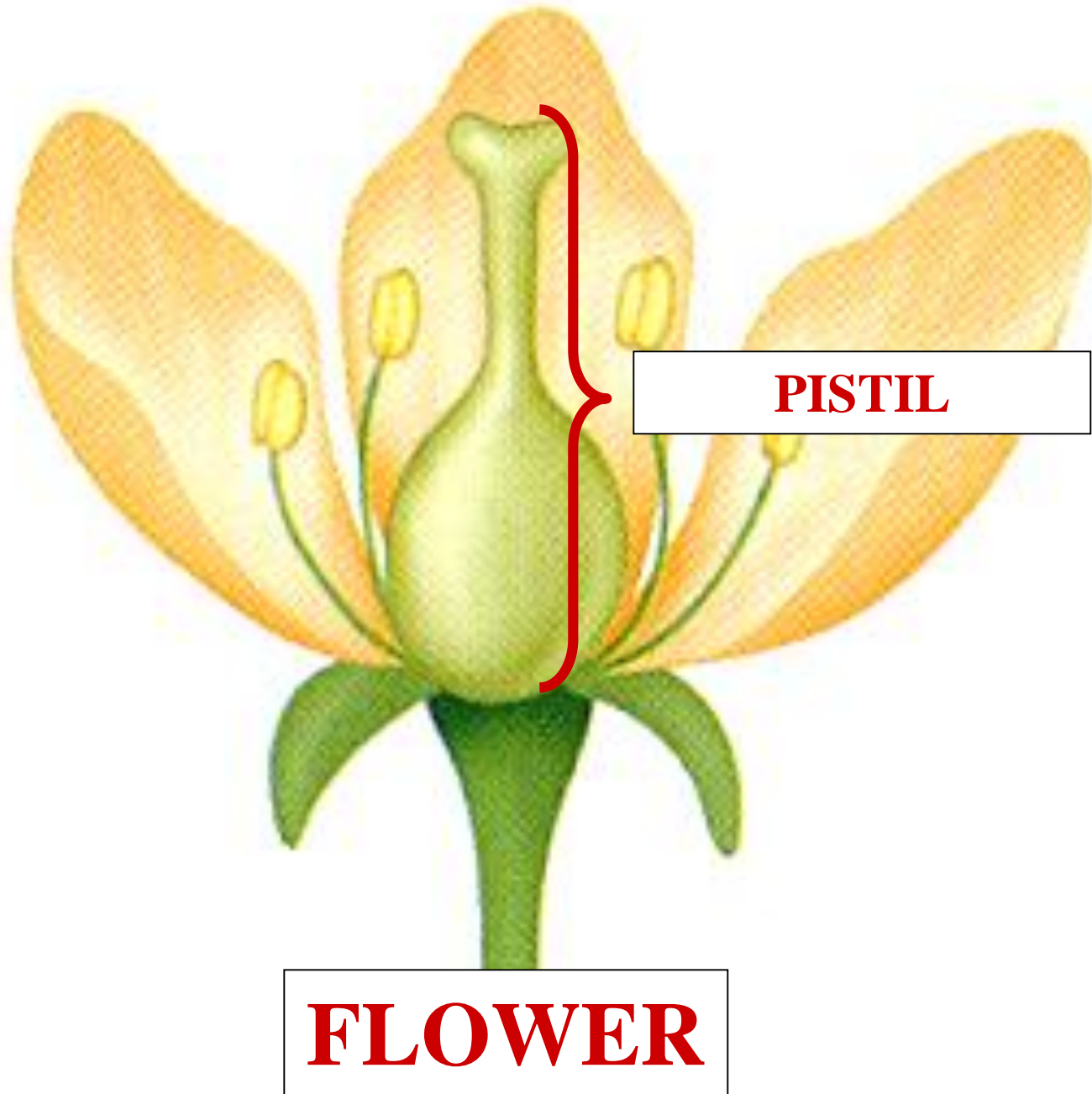


FLOWER



GYNOECIUM

FLOWER



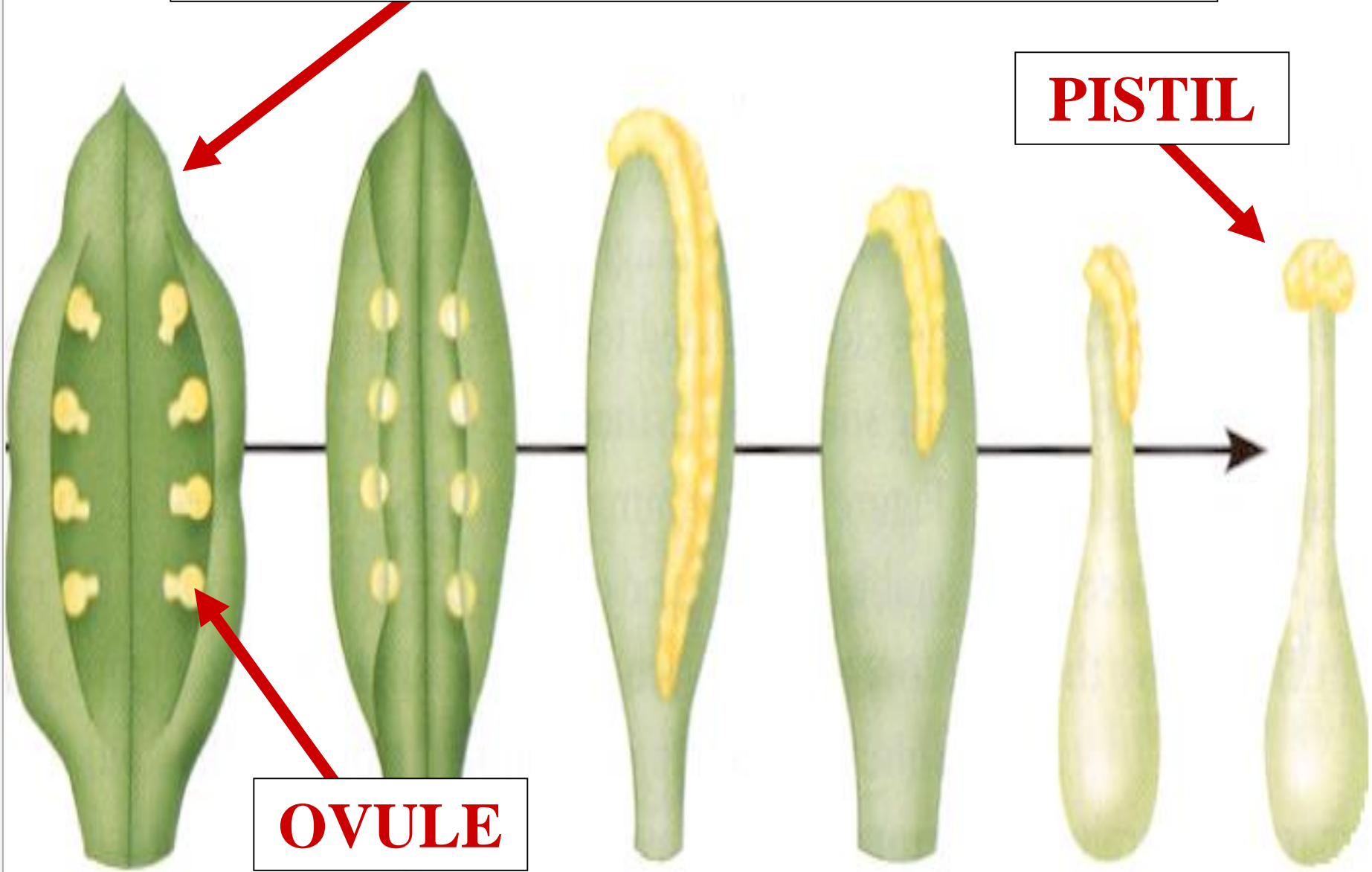
PISTIL

FLOWER

LEAF

PISTIL

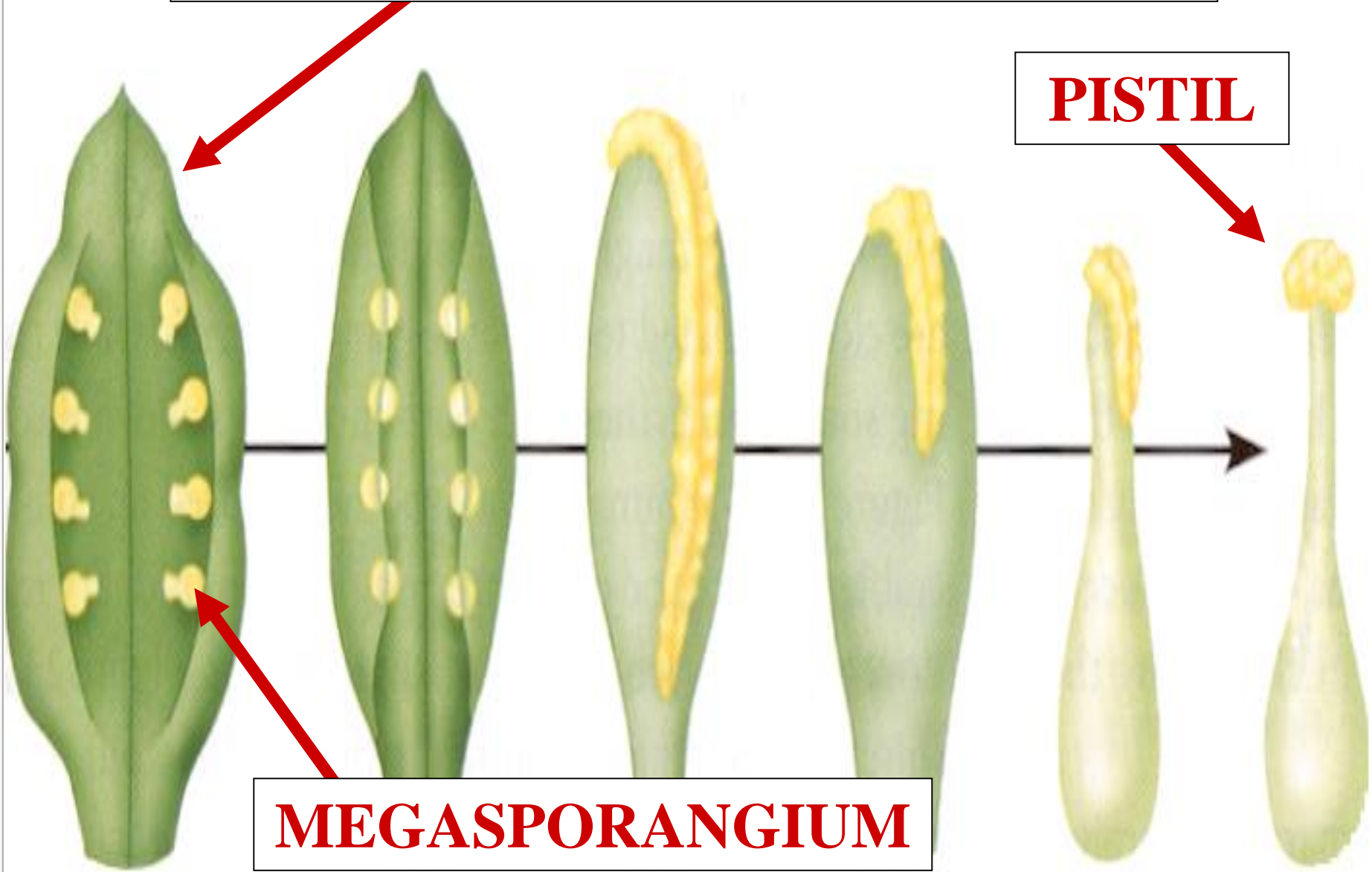
OVULE



LEAF

PISTIL

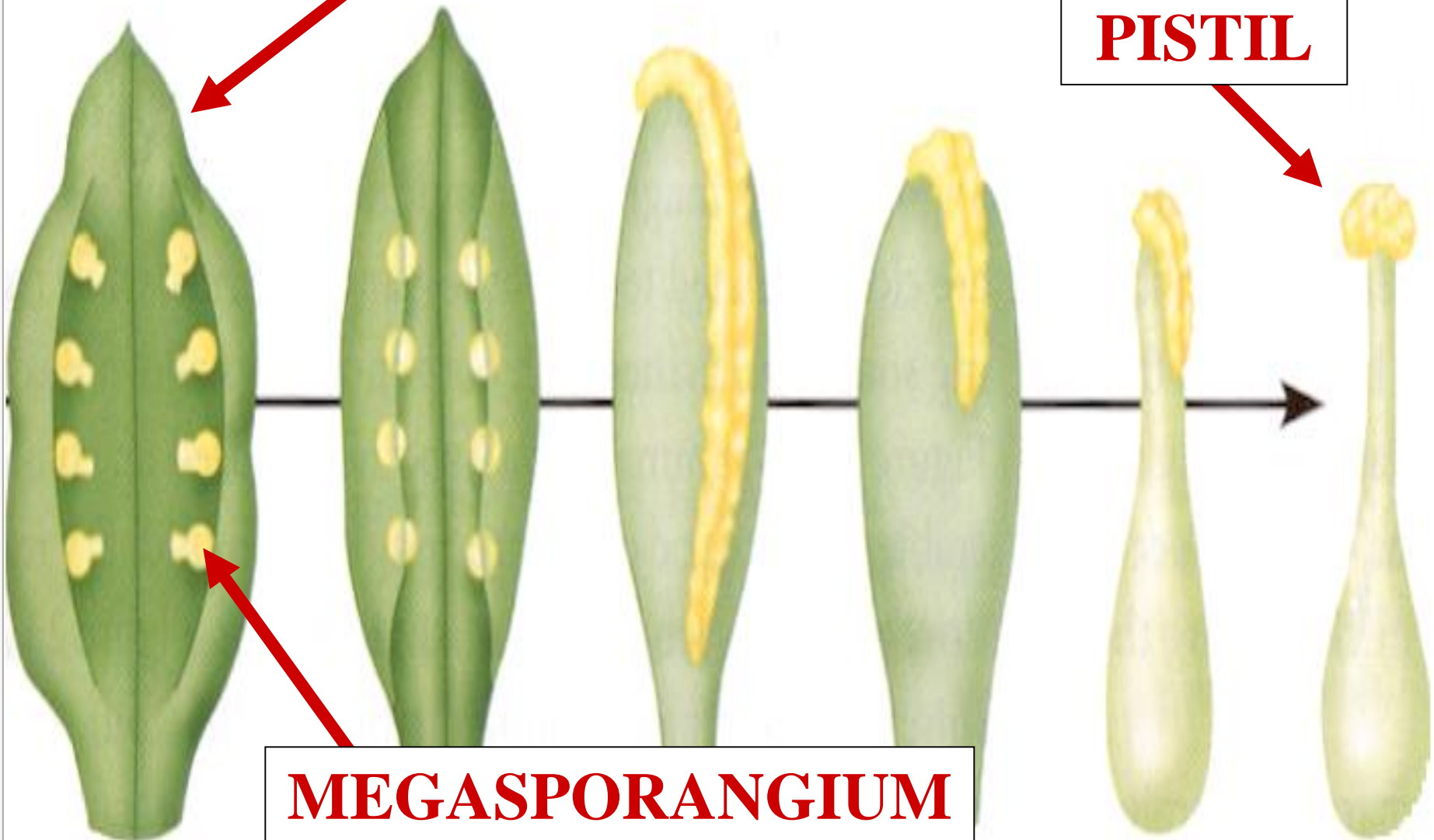
MEGASPORANGIUM



MEGASPOROPHYLL

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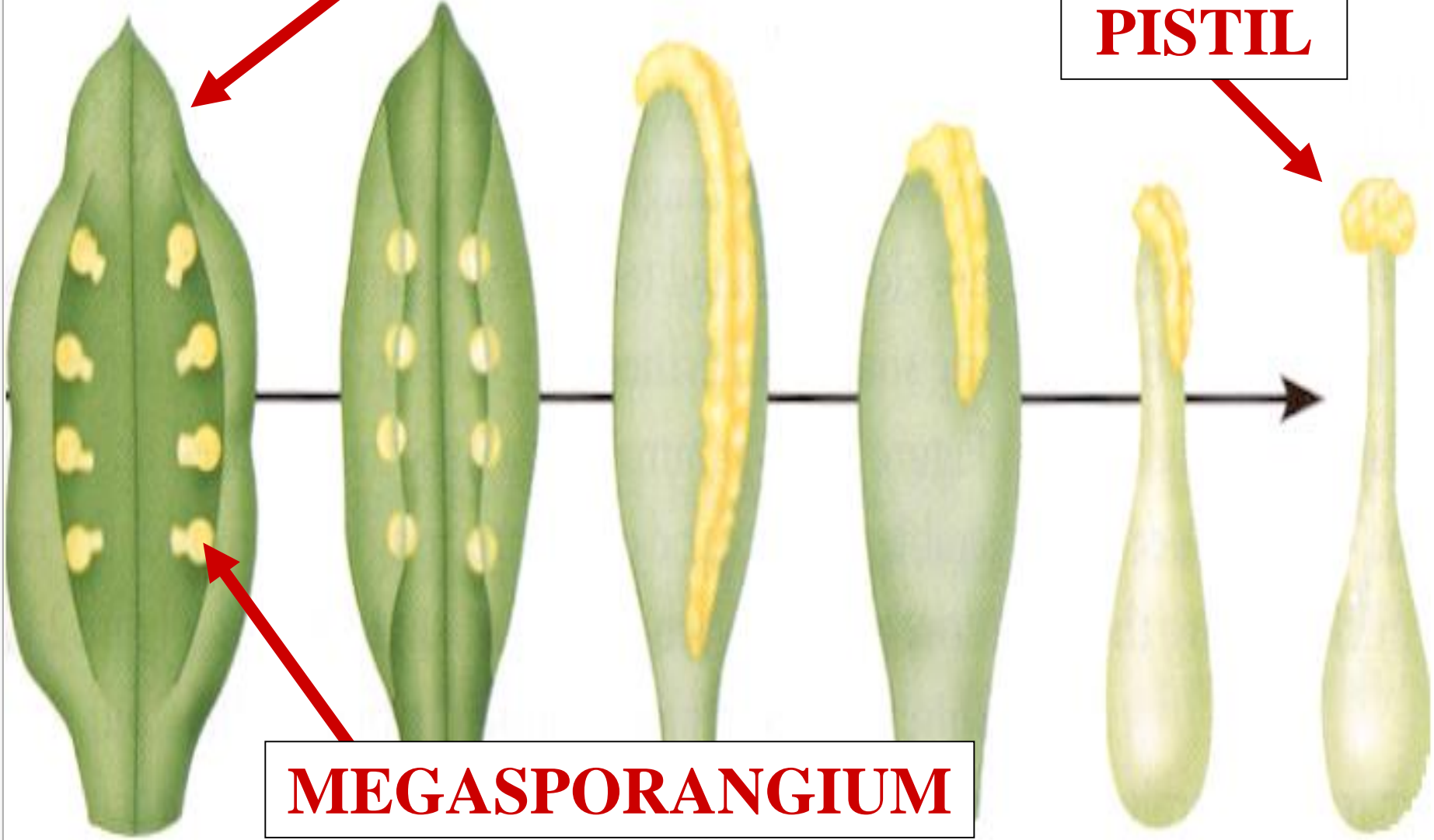
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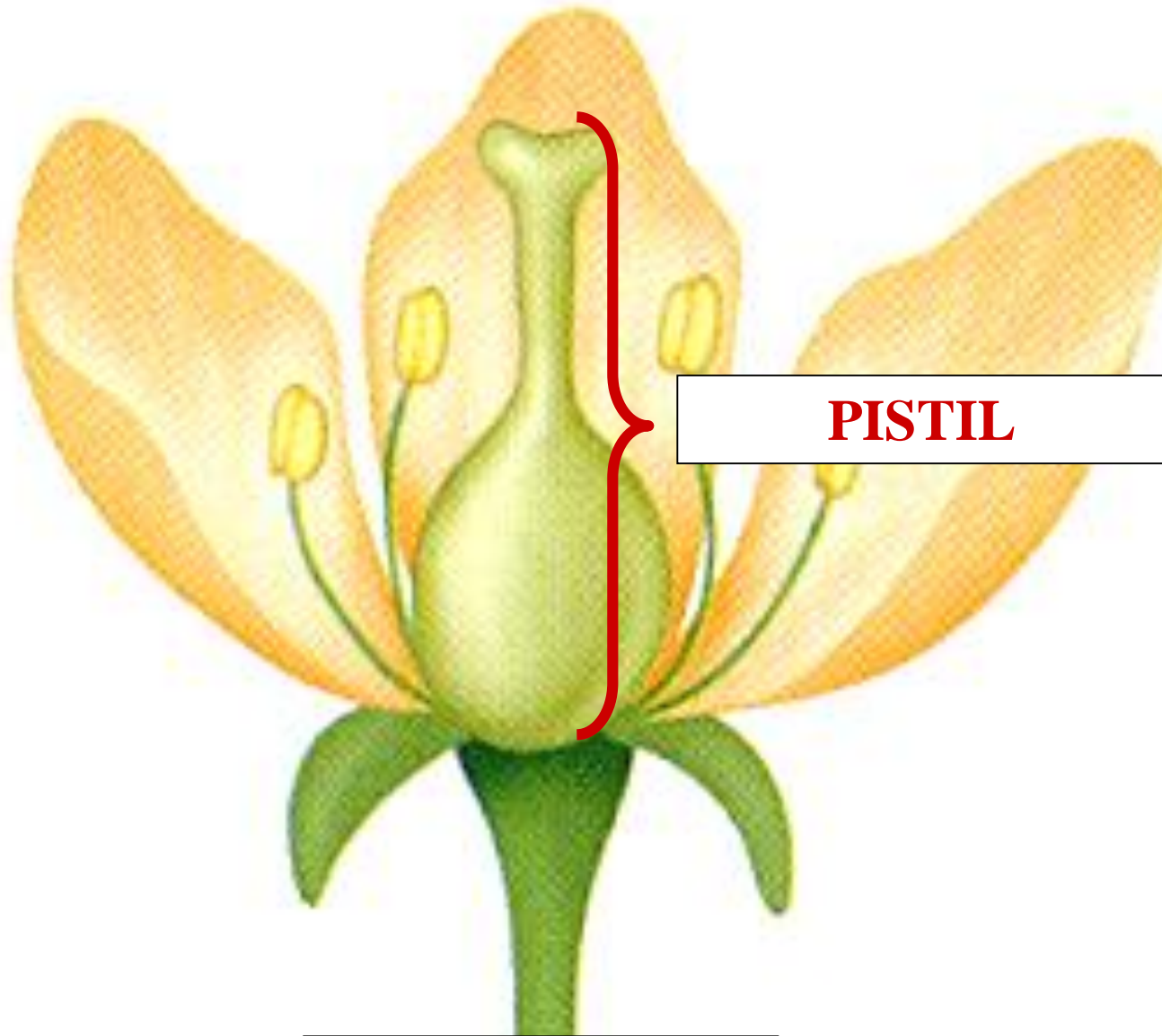


CARPEL

PISTIL



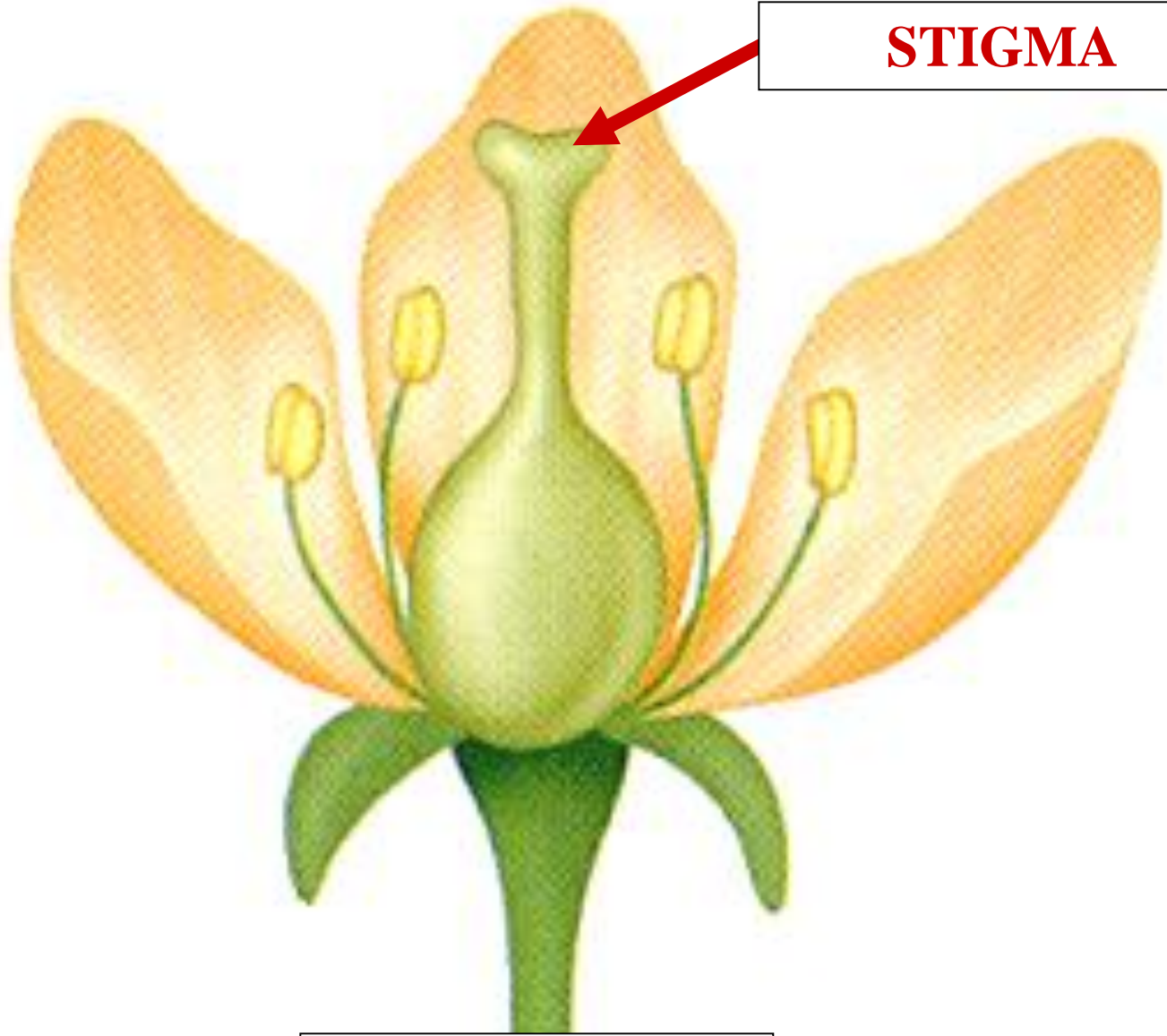
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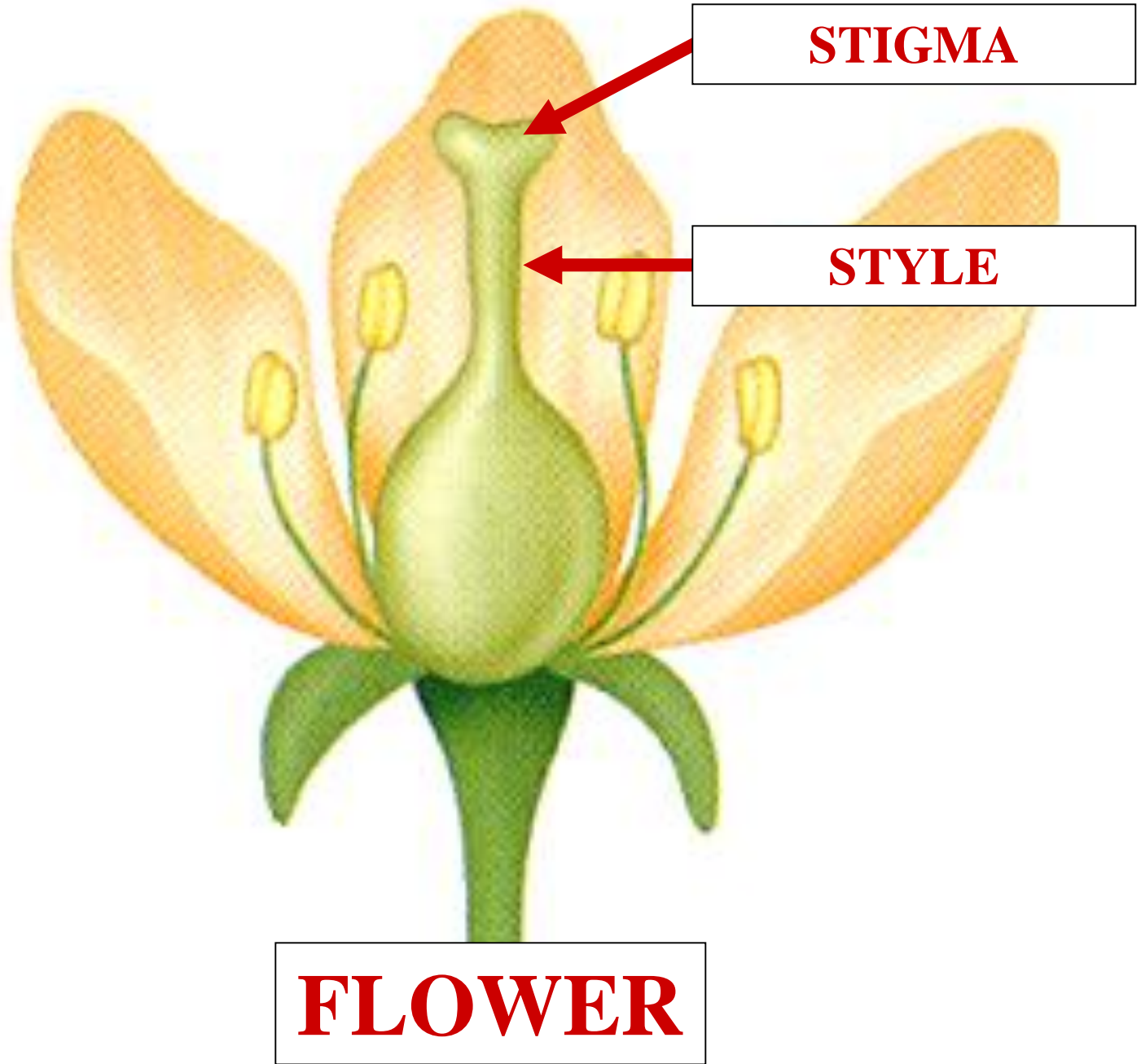
FLOWER

L.S.



STIGMA

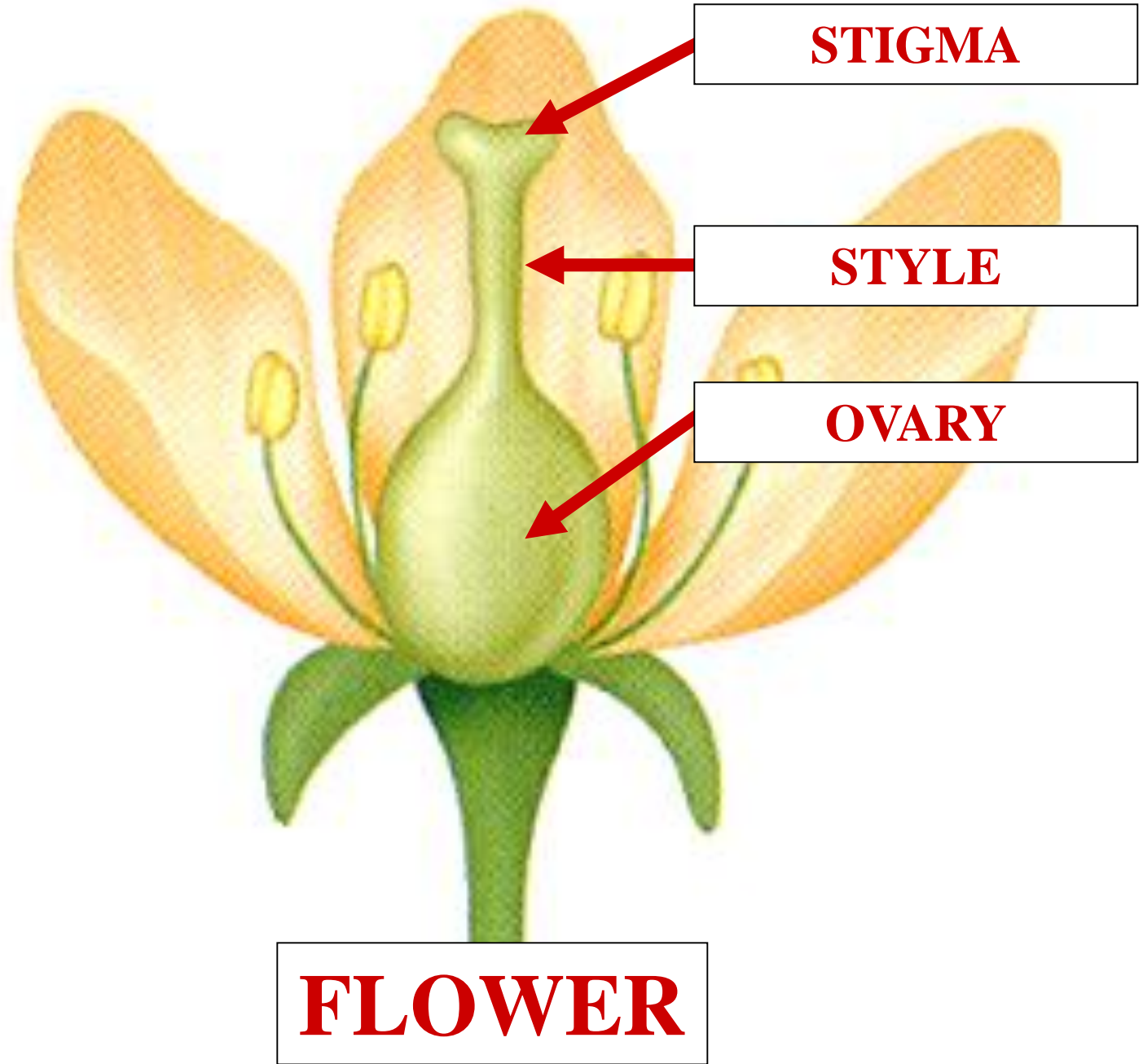
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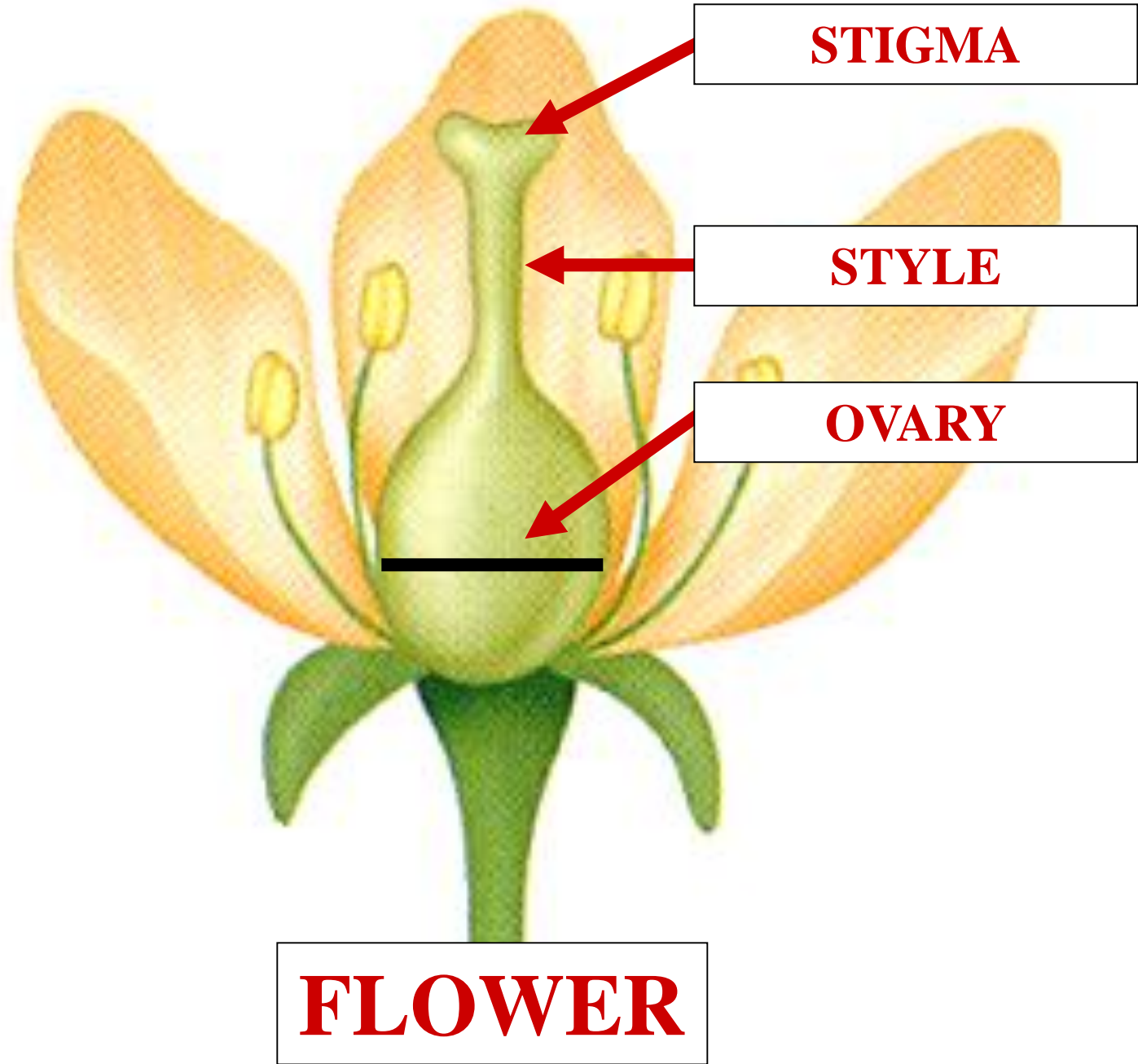


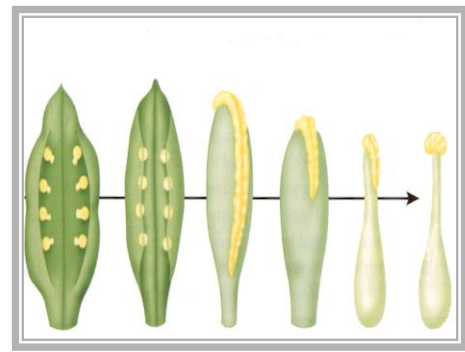
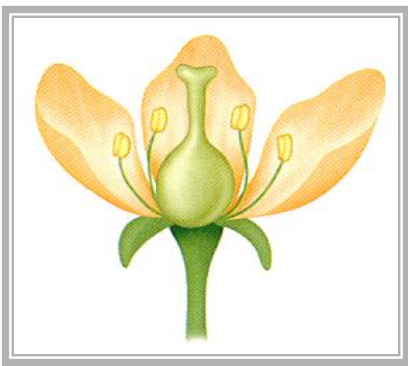
STIGMA

STYLE

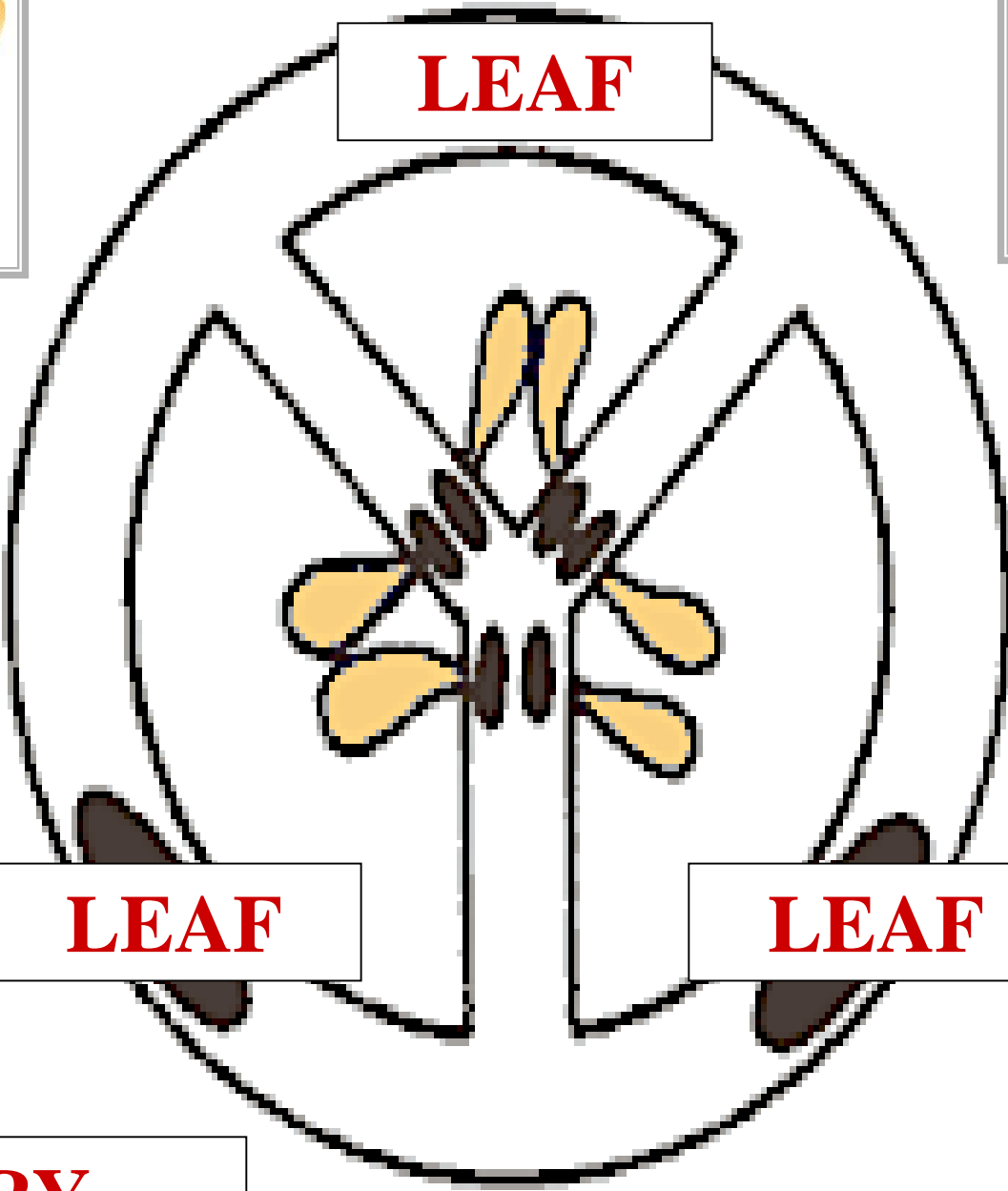
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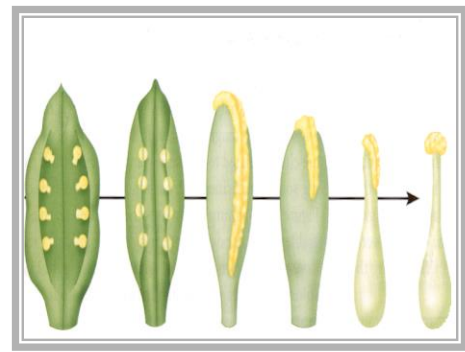
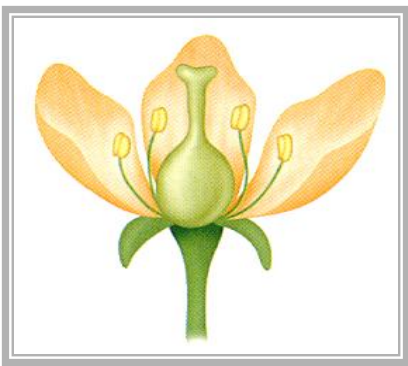


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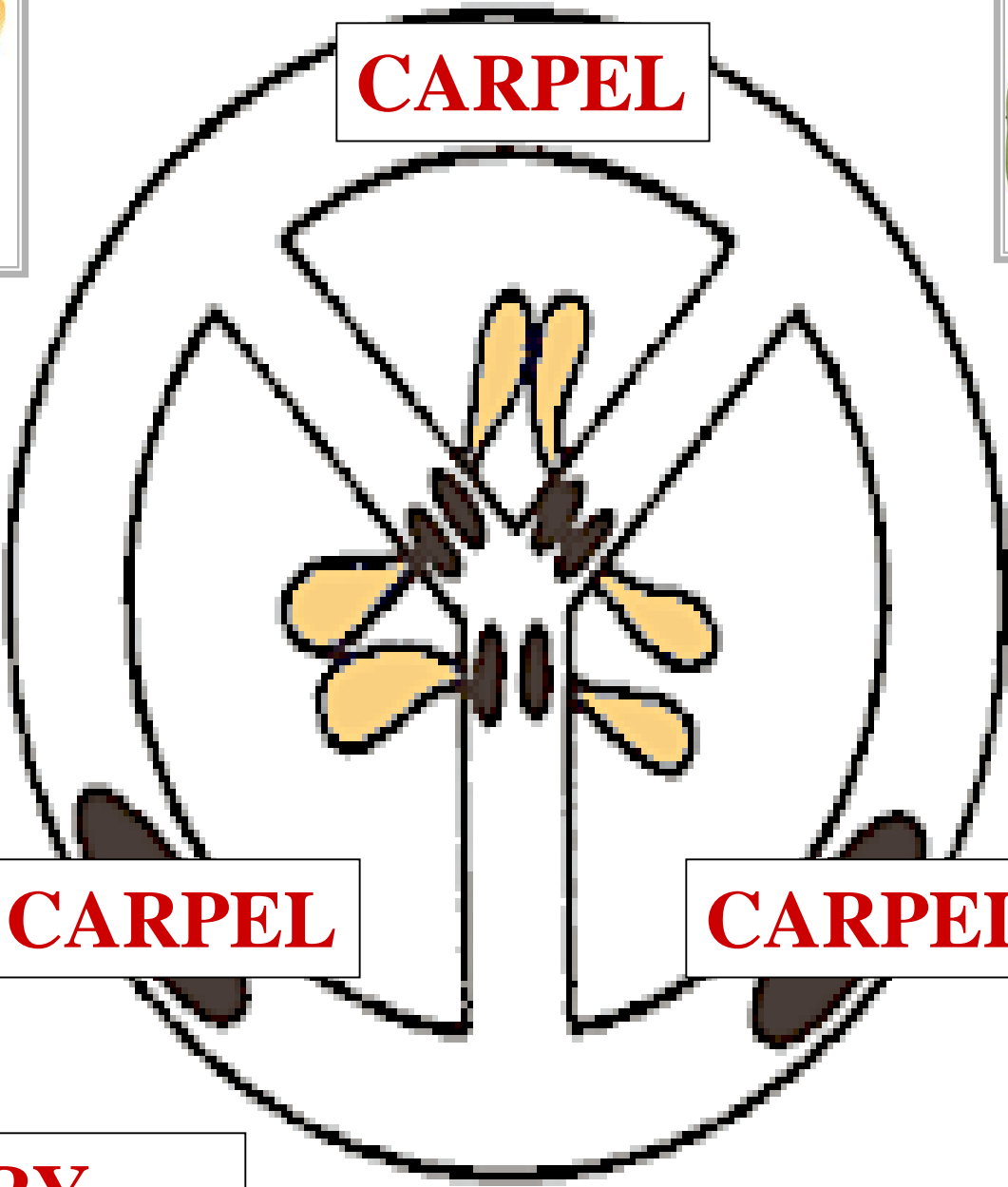


OVARY

C.S.



L



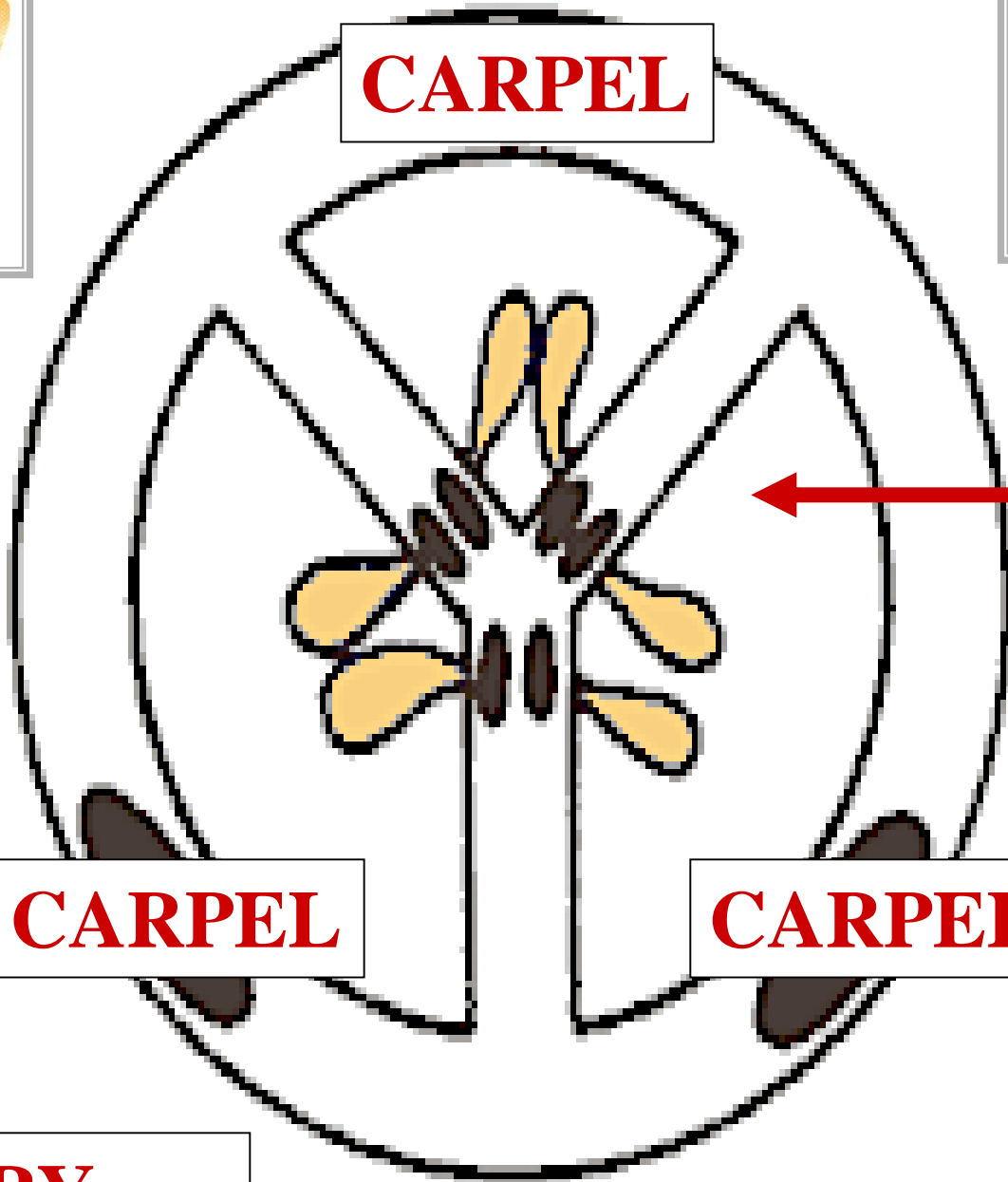
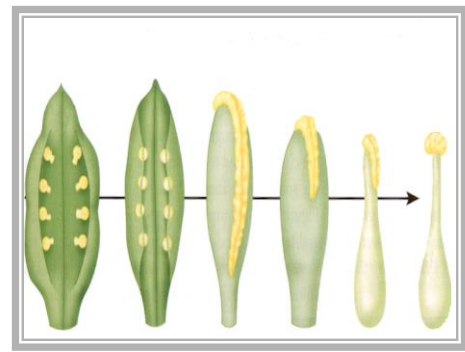
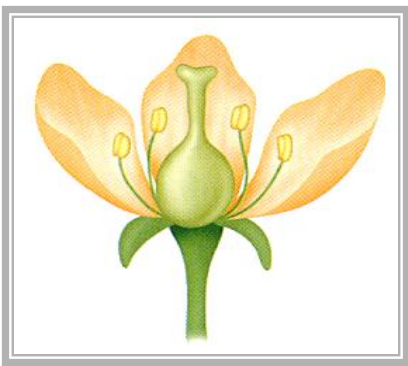
CARPEL

CARPEL

CARPEL

Ovary

C.S.



CARPEL

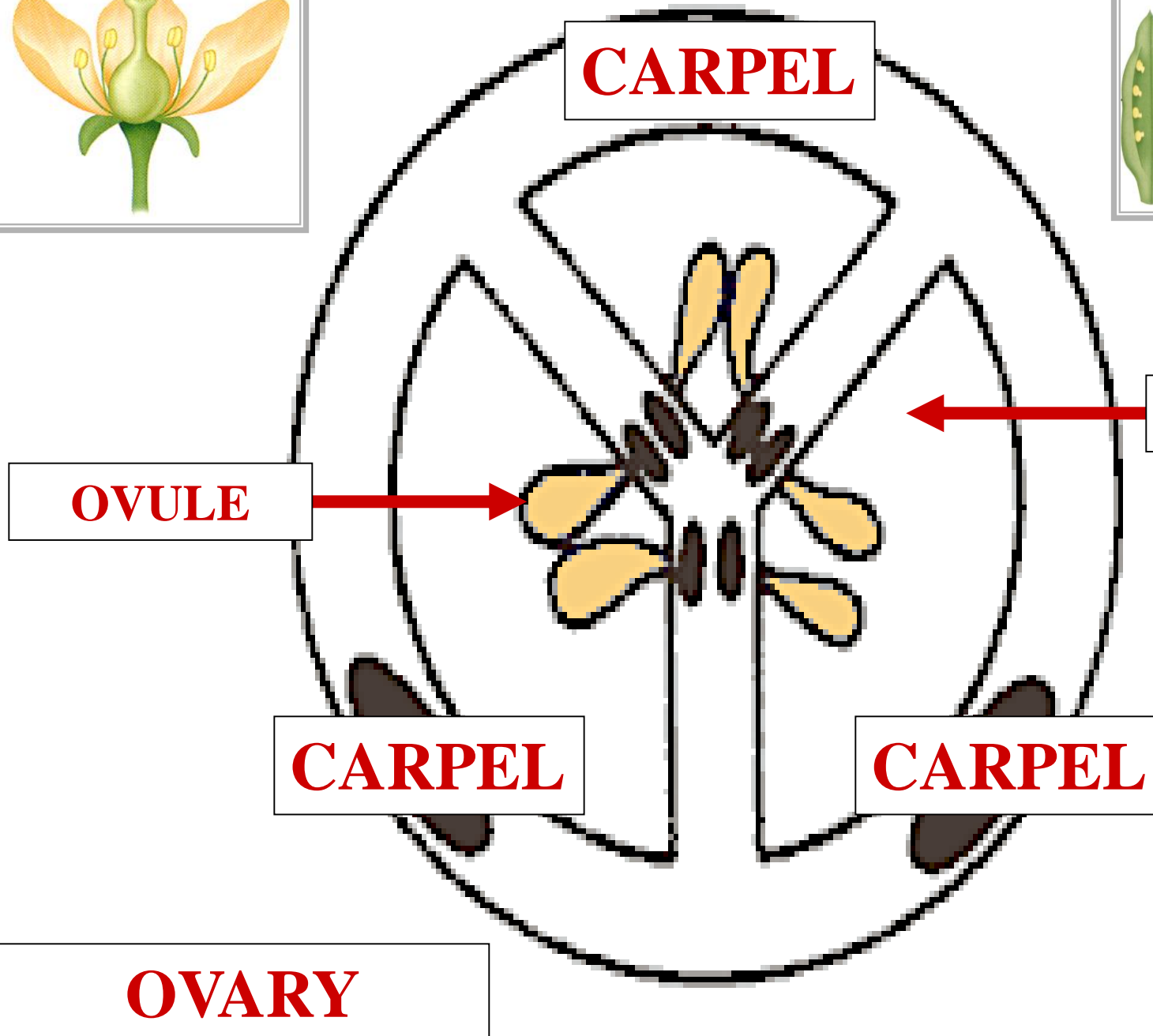
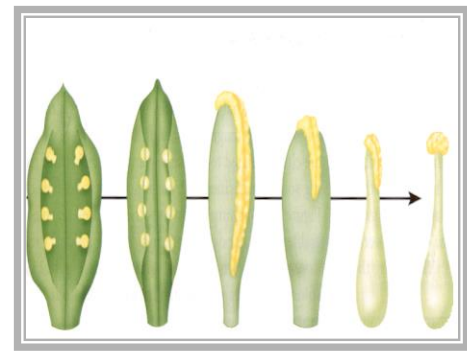
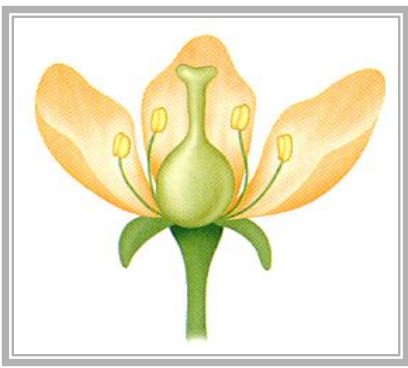
LOCULE

CARPEL

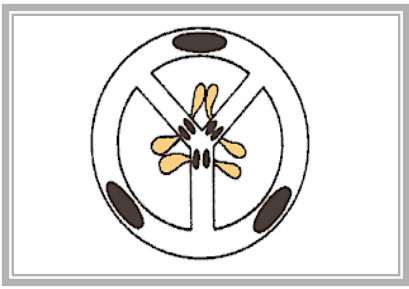
CARPEL

OVARY

C.S.



C.S.



OVULE



L.S.



OVULE

L.S.

INTEGUMENT





MEGASPORANGIUM

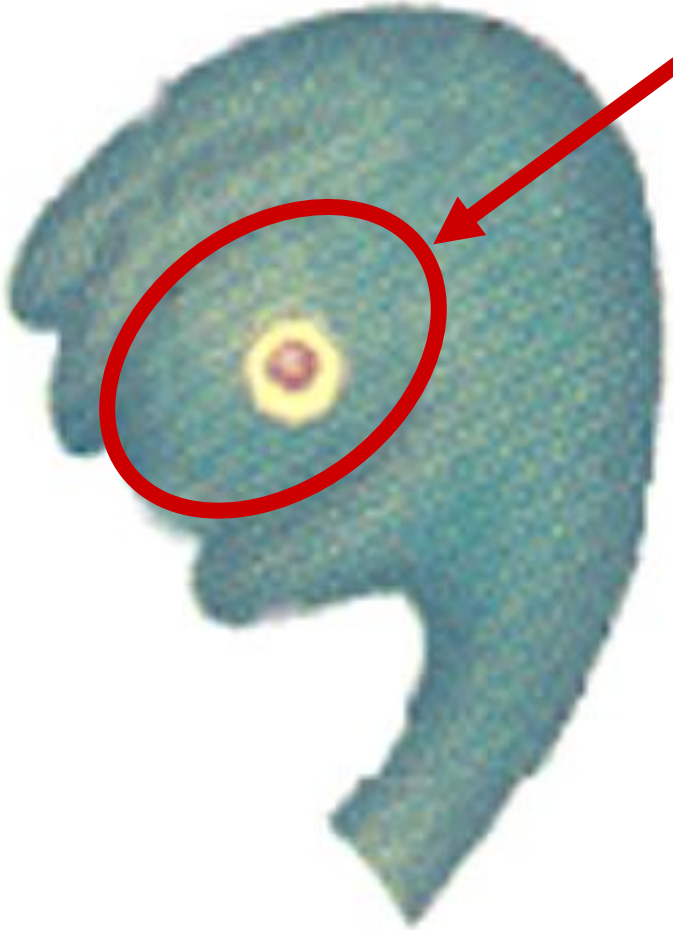
OVULE



L.S.



OVULE

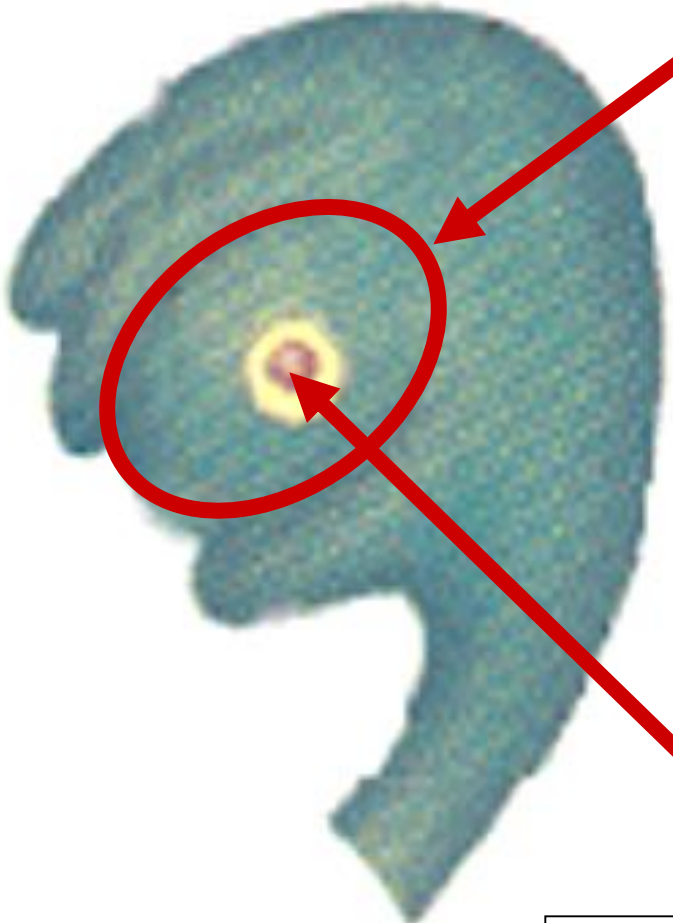


NUCELLUS

L.S.



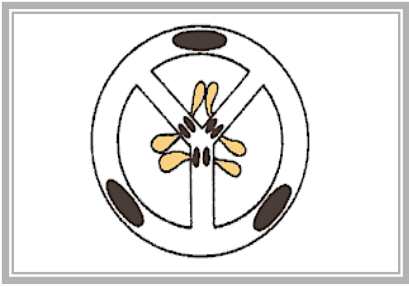
OVULE



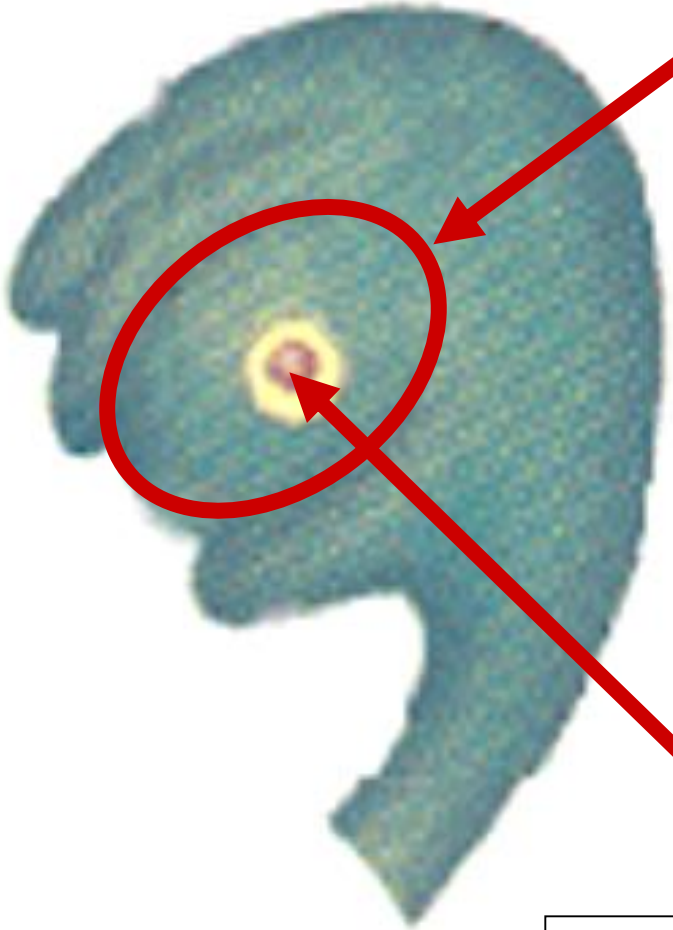
MEGASPORANGIUM

MEGASPOROCYTE

L.S.



OVULE



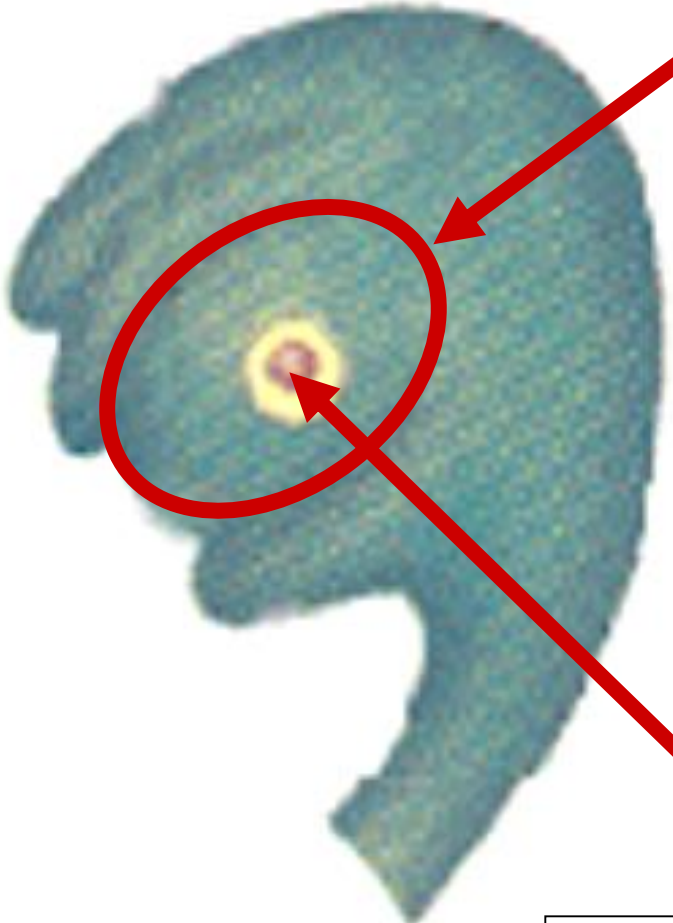
MEGASPORANGIUM

2N

L.S.



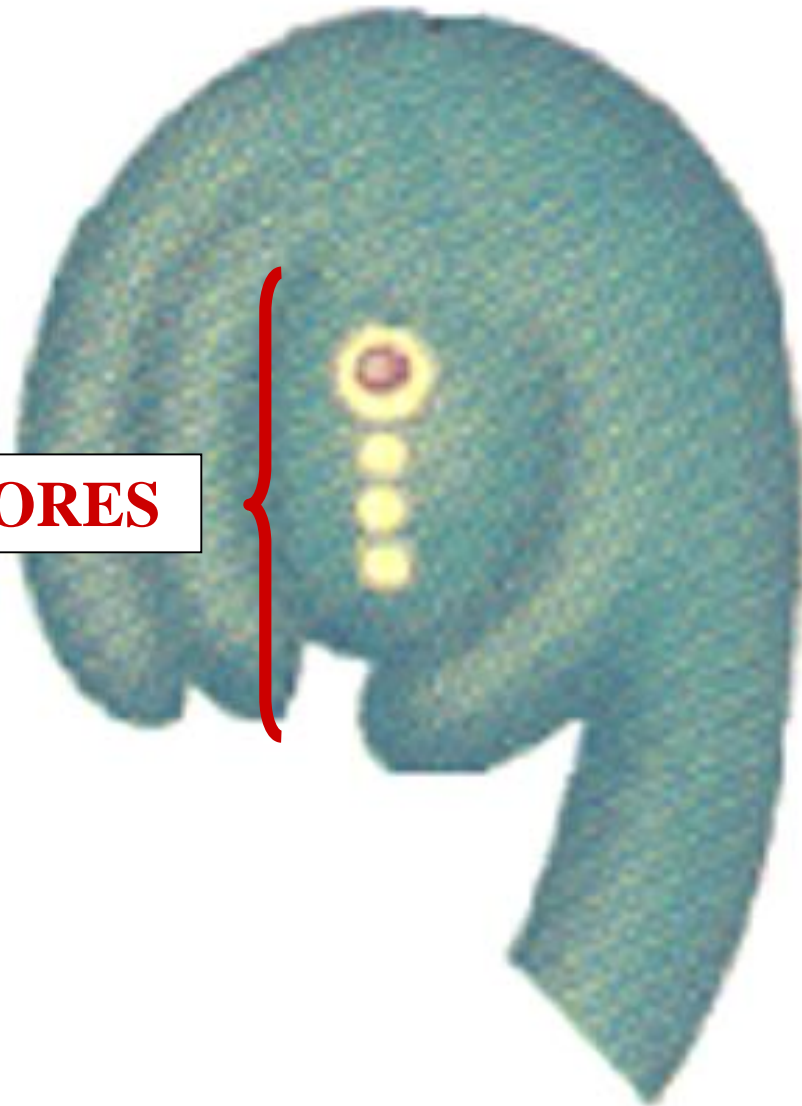
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MEGASPORANGIUM

MEIOSIS

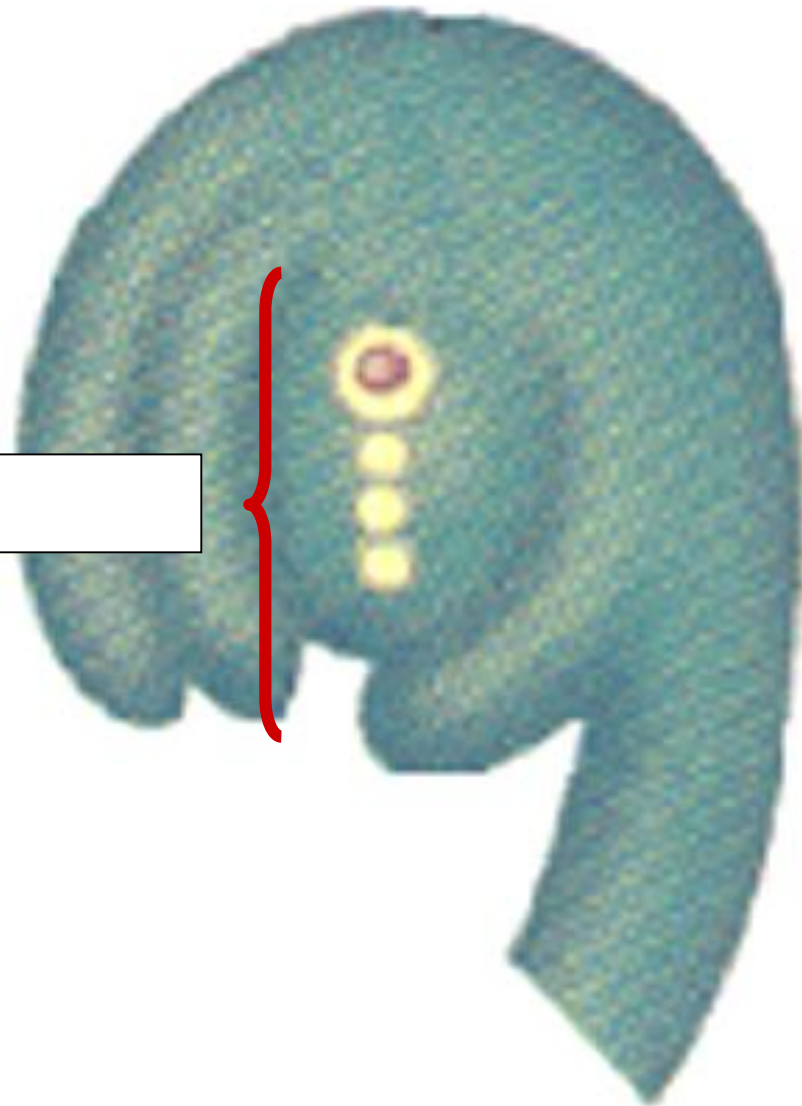
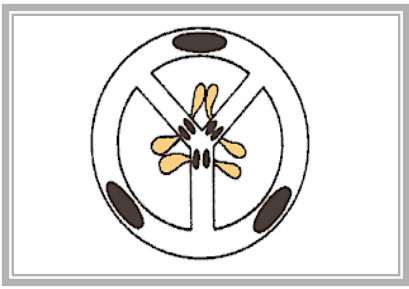
L.S.



MEGASPORES

L.S.

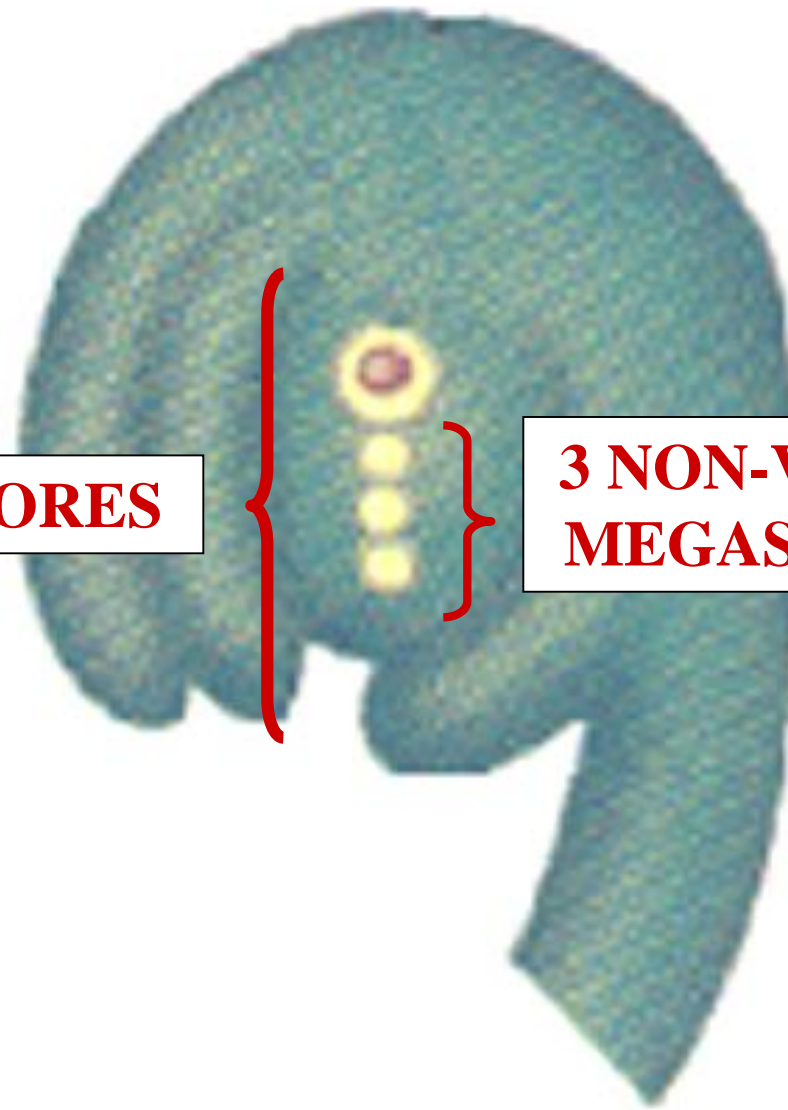
OVULE



1N

L.S.

OVULE



MEGASPORES

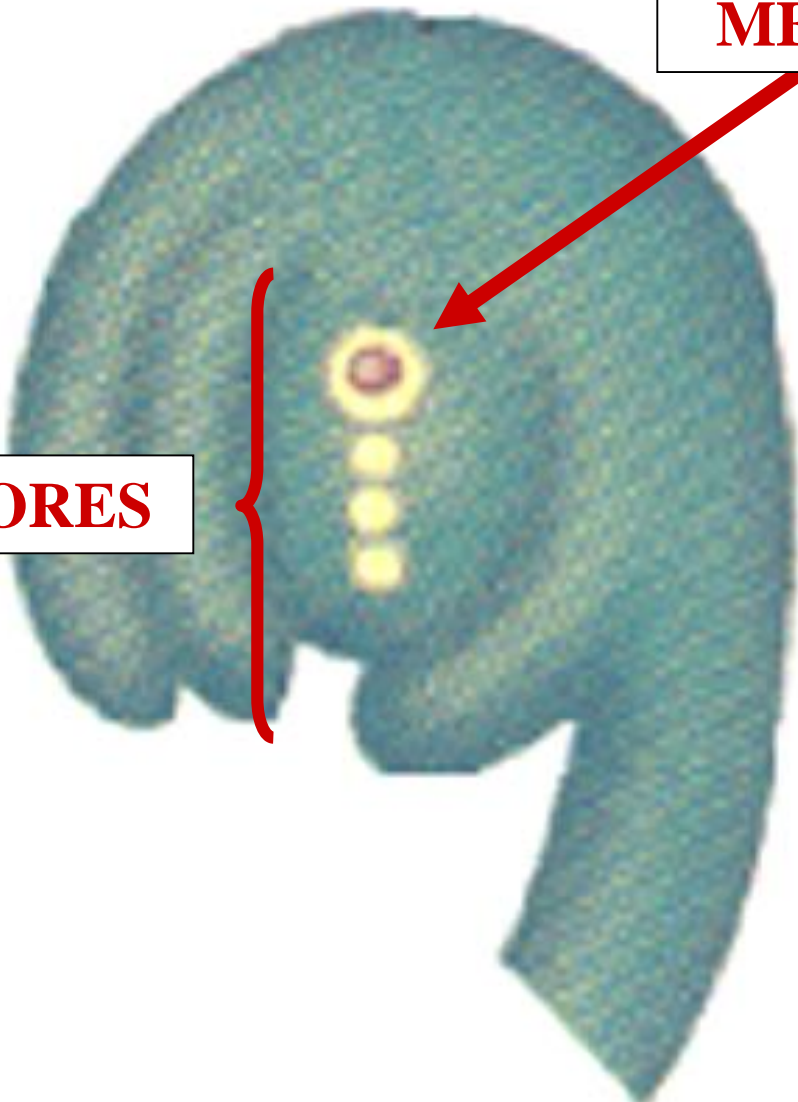
**3 NON-VIABLE
MEGASPORES**

L.S.

OVULE



**VIABLE
MEGASPORE**



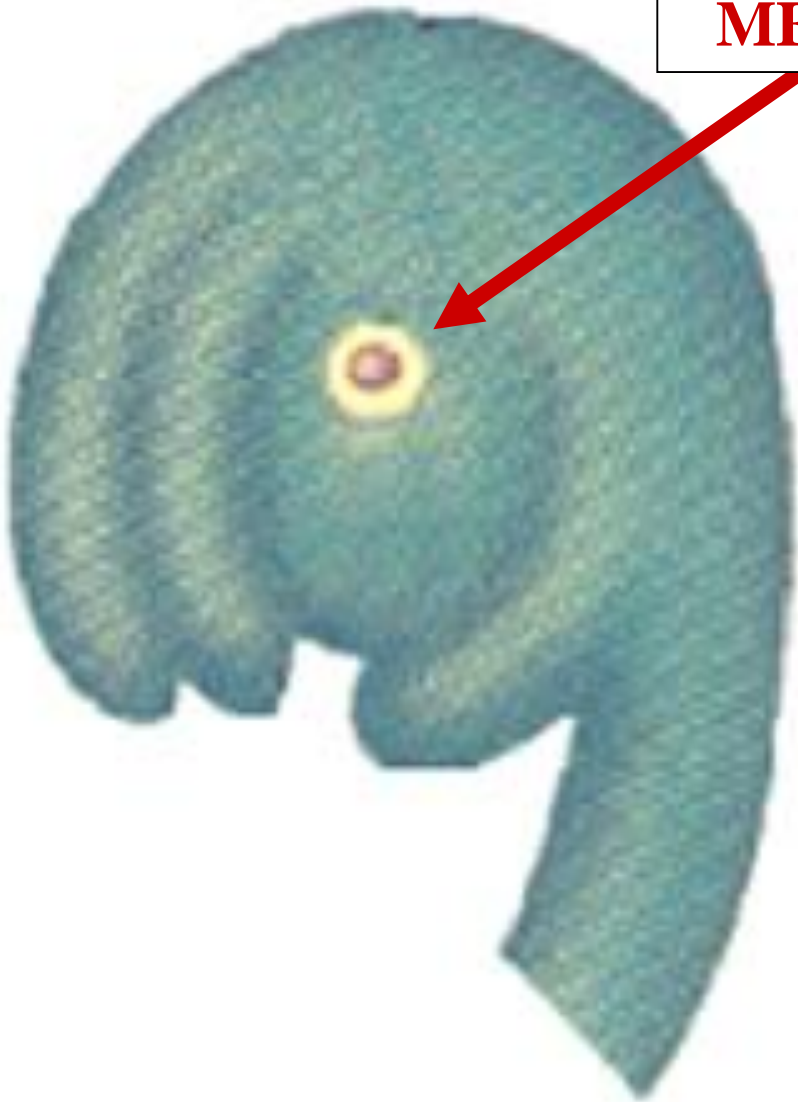
MEGASPORES

L.S.

OVULE



**VIABLE
MEGASPORE**

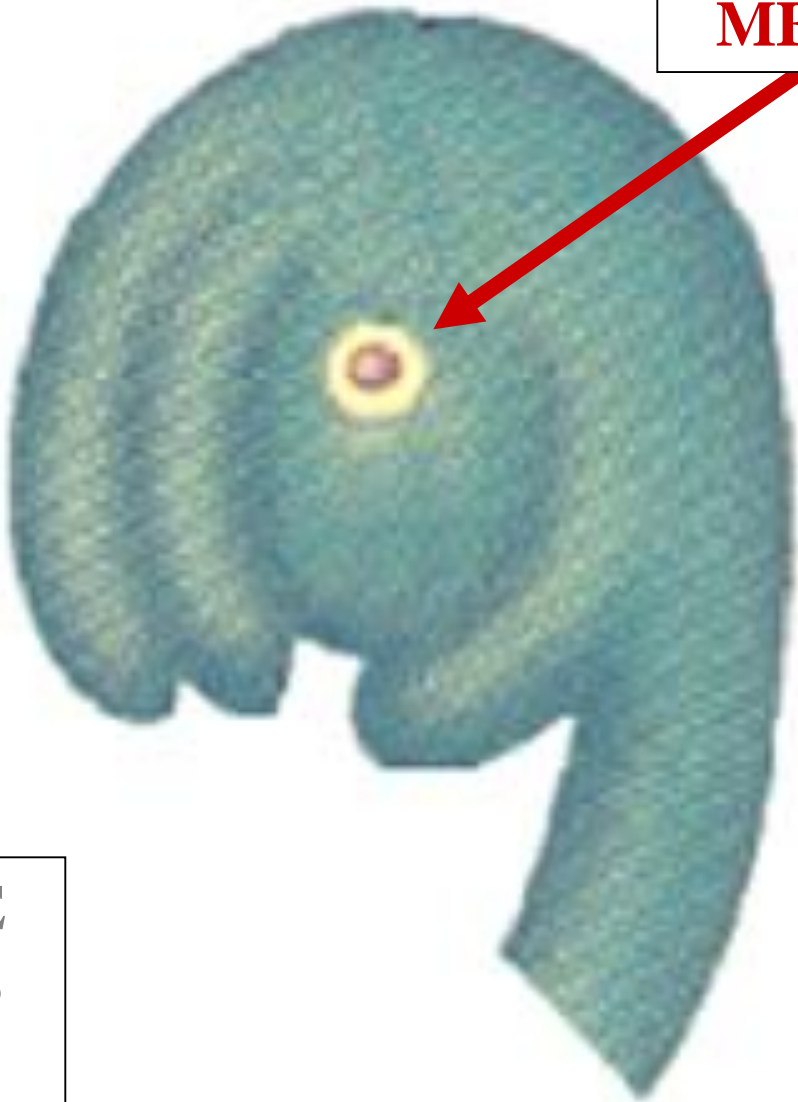


L.S.

OVULE



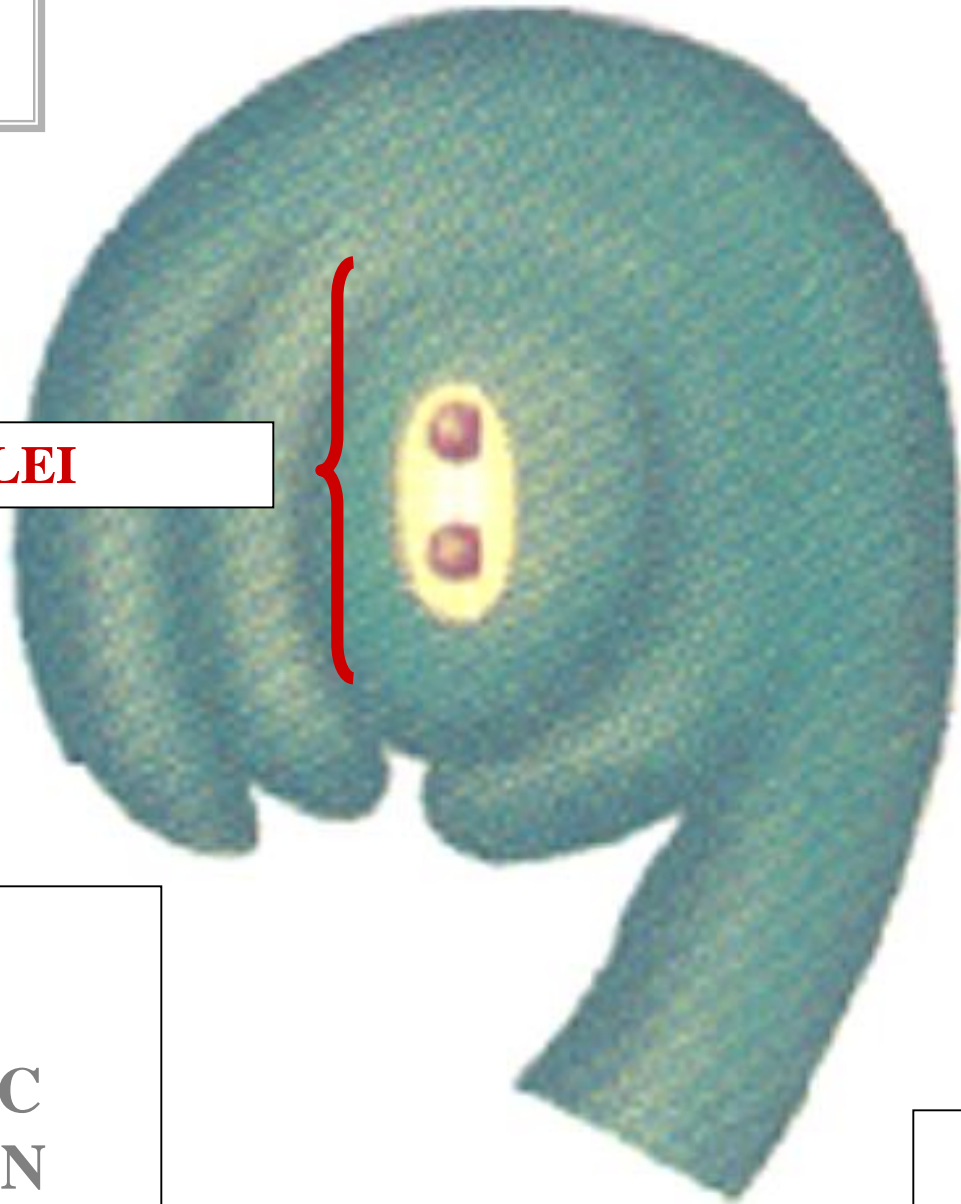
**VIABLE
MEGASPORE**



**MEGASPORE
UNDERGOES
3 MITOTIC
DIVISIONS**

L.S.

OVULE

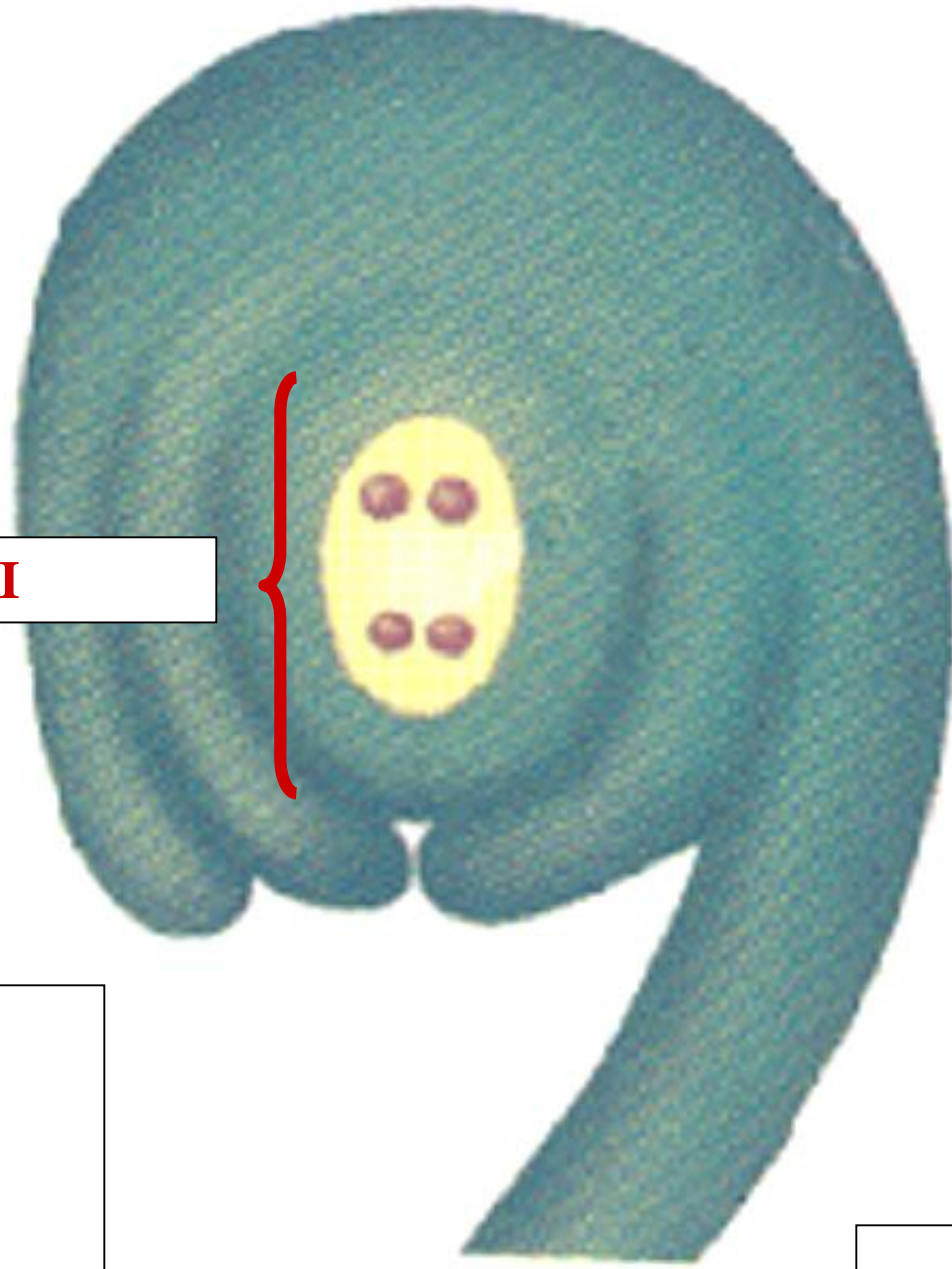


2 NUCLEI

**POST
1ST
MITOTIC
DIVISION**

L.S.

OVULE

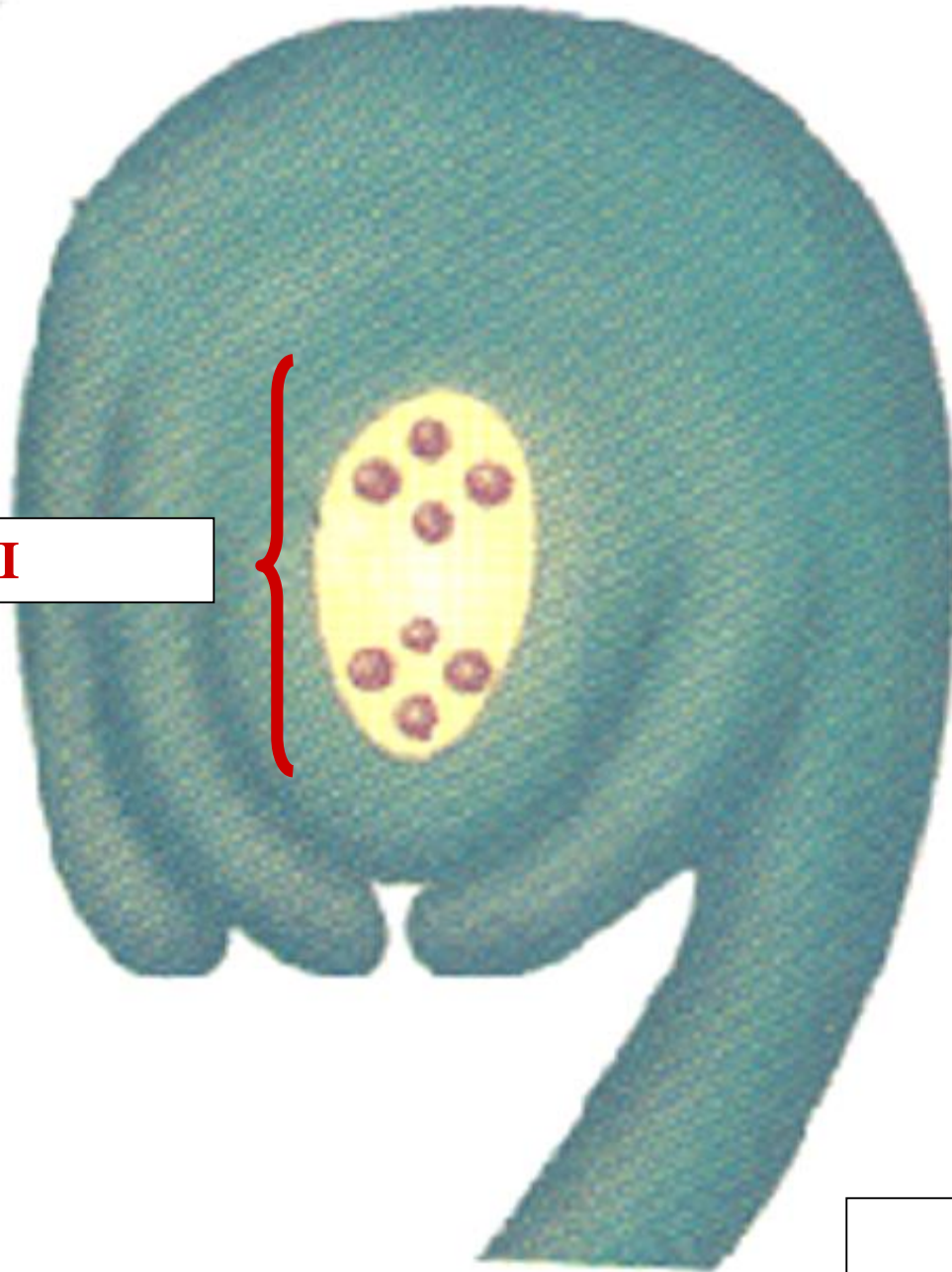


4 NUCLEI

**POST
2ND
MITOTIC
DIVISION**

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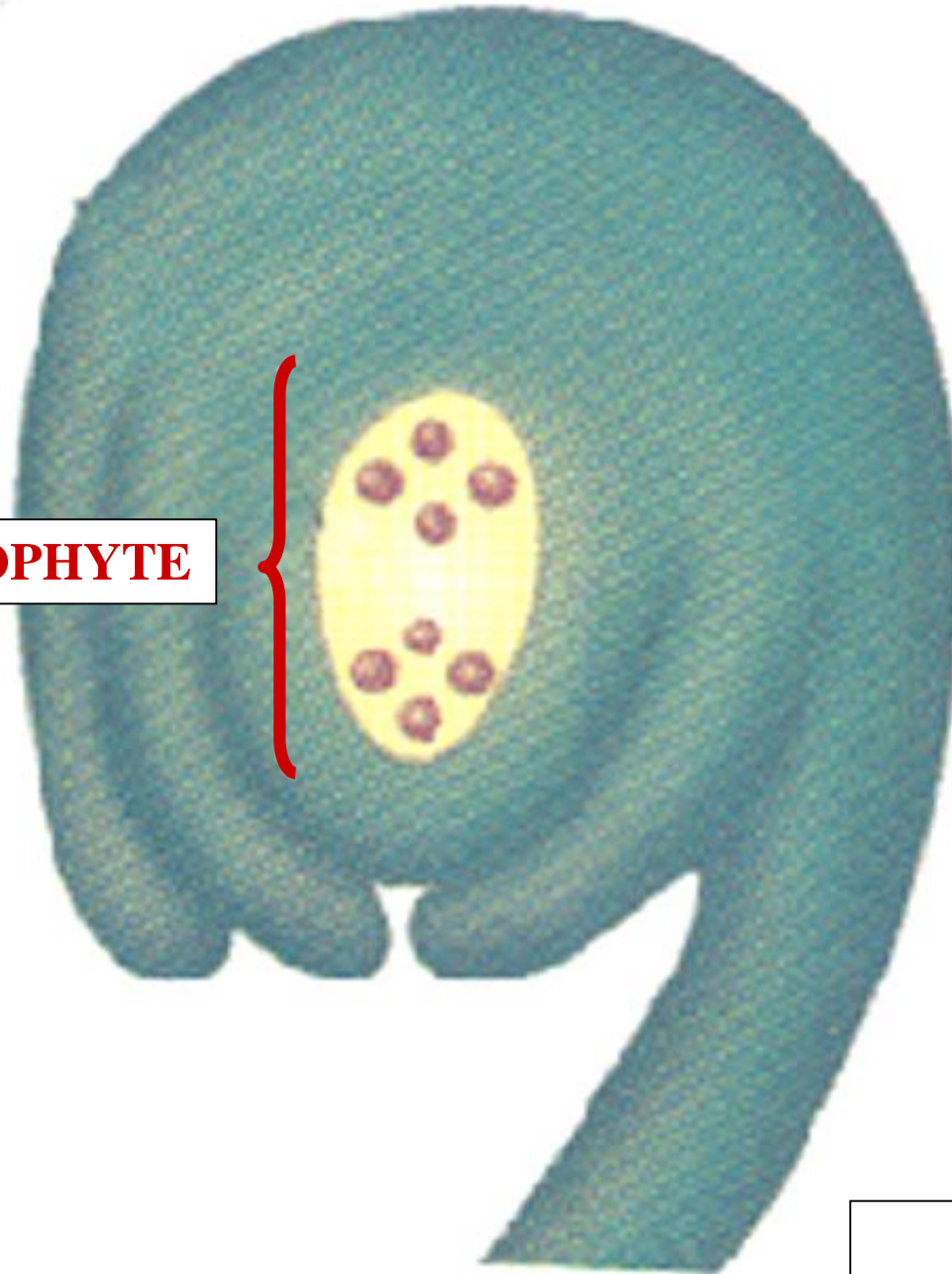
OVULE



8 NUCLEI

L.S.

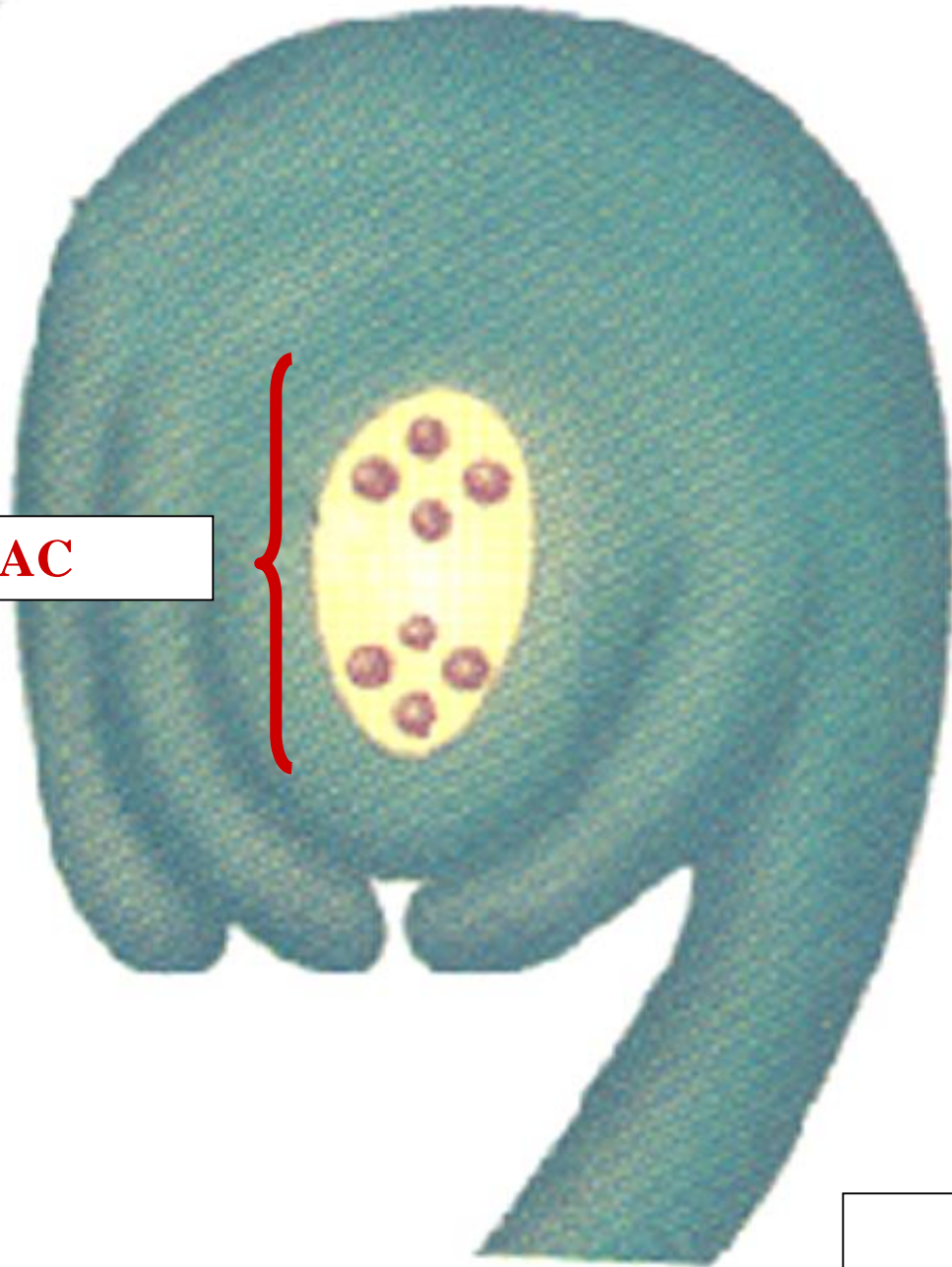
OVULE



MEGAGAMETOPHYTE

L.S.

OVULE



EMBRYO SAC

L.S.

OVULE



ANGIOSPERM OVULE

MEGAGAMETOPHYTE

EMBRYO SAC
7 CELLS
8 NUCLEI

POLYGONUM



OVULE

L.S.

ANGIOSPERM OVULE

ARCHEGONIA ABSENT

EMBRYO SAC
7 CELLS
8 NUCLEI

POLYGONUM



OVULE

L.S.



ANGIOSPERM OVULE

CHALAZAL END

EMBRYO SAC

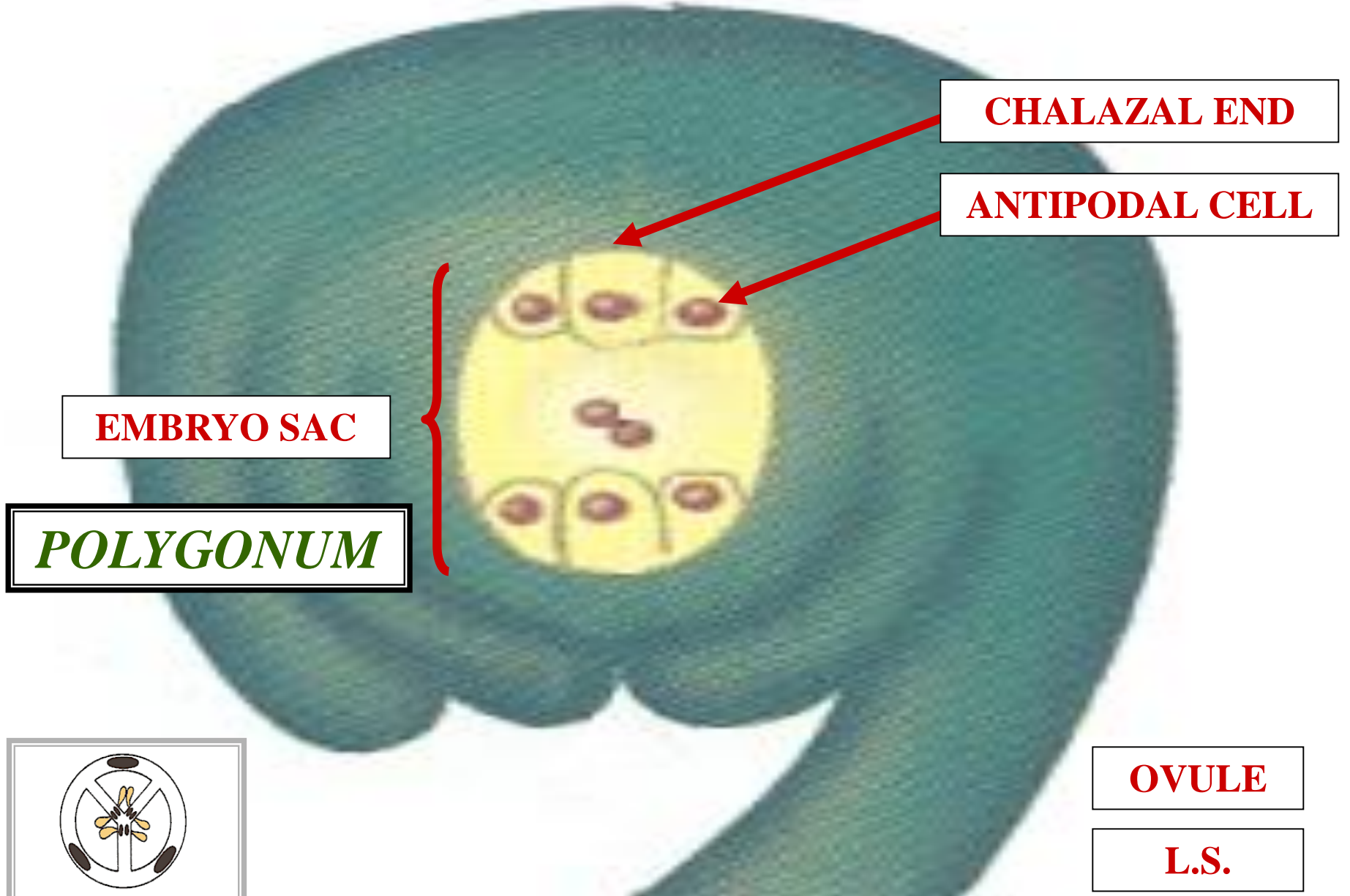
POLYGONUM

OVULE

L.S.



ANGIOSPERM OVULE



CHALAZAL END

ANTIPODAL CELL

EMBRYO SAC

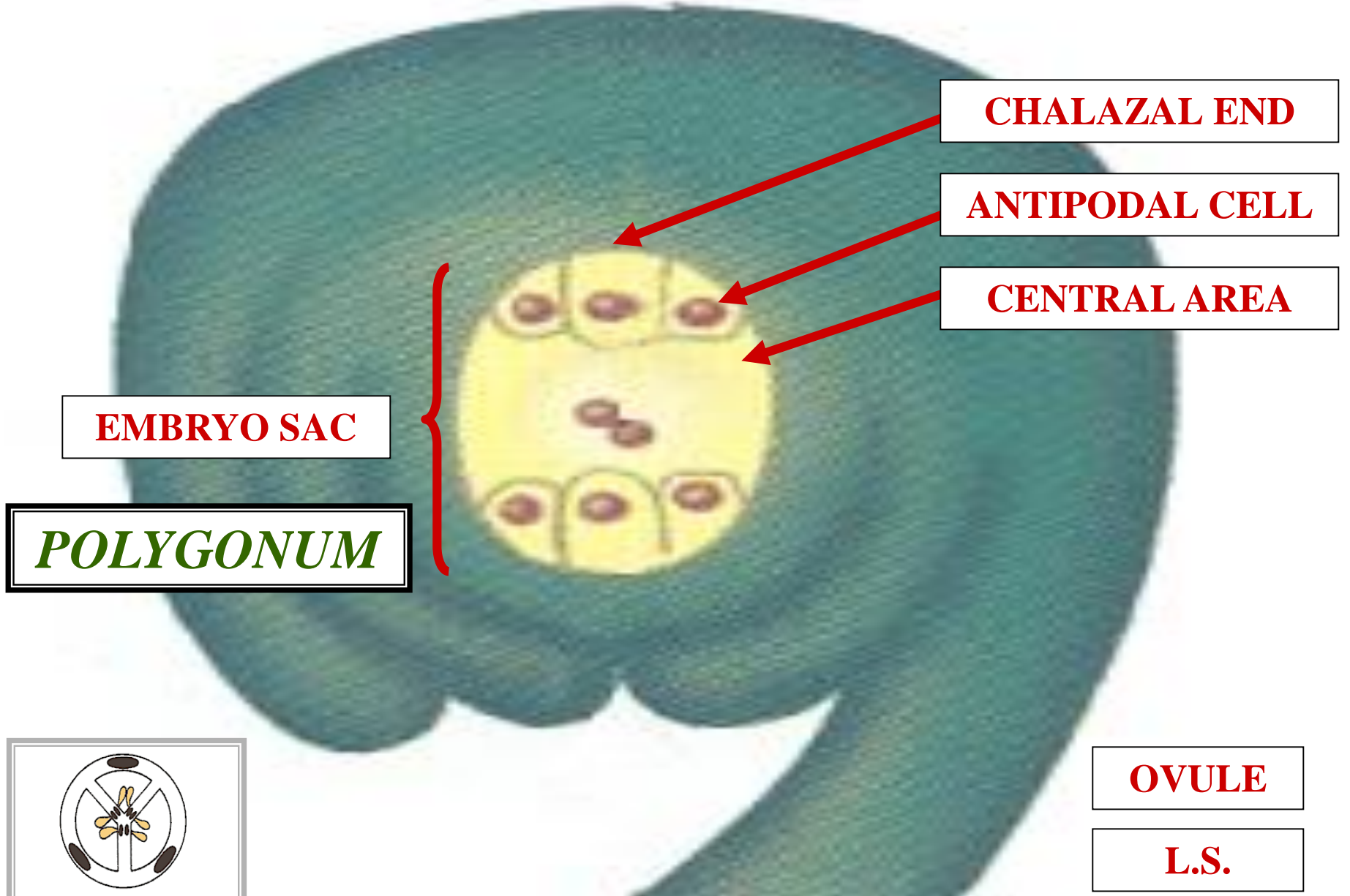
POLYGONUM

OVULE

L.S.



ANGIOSPERM OVULE



CHALAZAL END

ANTIPODAL CELL

CENTRAL AREA

EMBRYO SAC

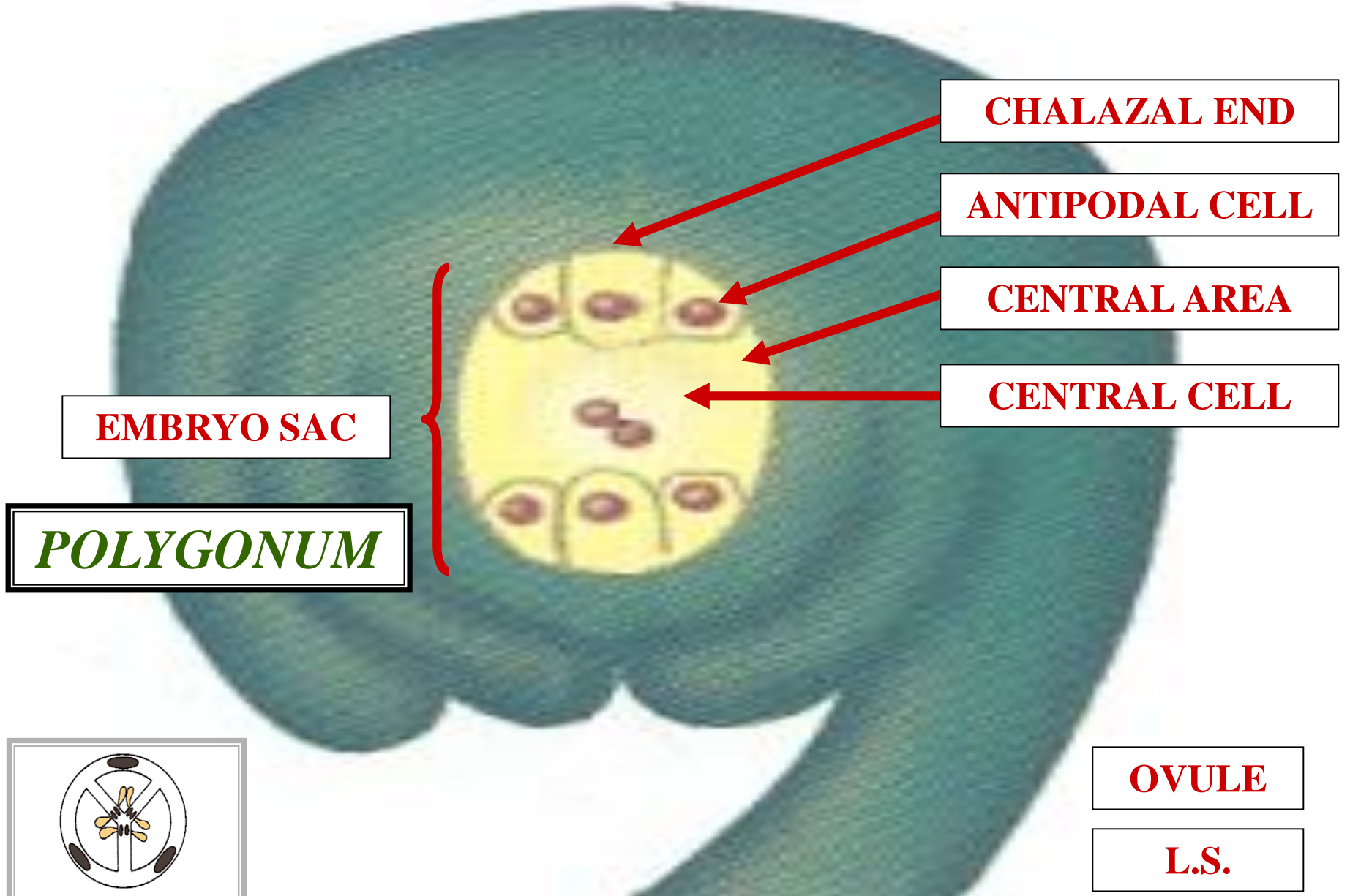
POLYGONUM

OVULE

L.S.



ANGIOSPERM OVULE



CHALAZAL END

ANTIPODAL CELL

CENTRAL AREA

CENTRAL CELL

EMBRYO SAC

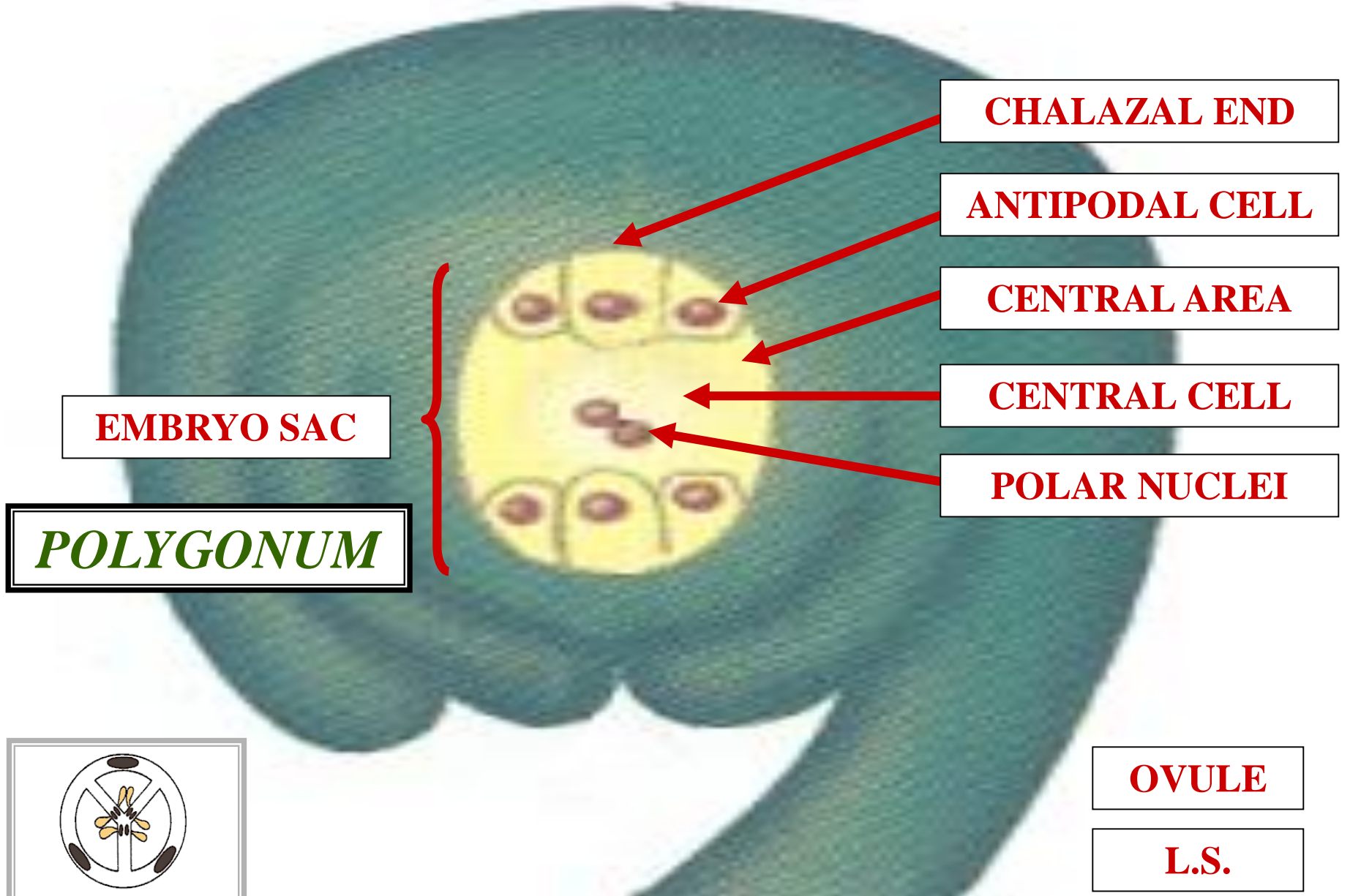
POLYGONUM

OVULE

L.S.



ANGIOSPERM OVULE



CHALAZAL END

ANTIPODAL CELL

CENTRAL AREA

CENTRAL CELL

POLAR NUCLEI

EMBRYO SAC

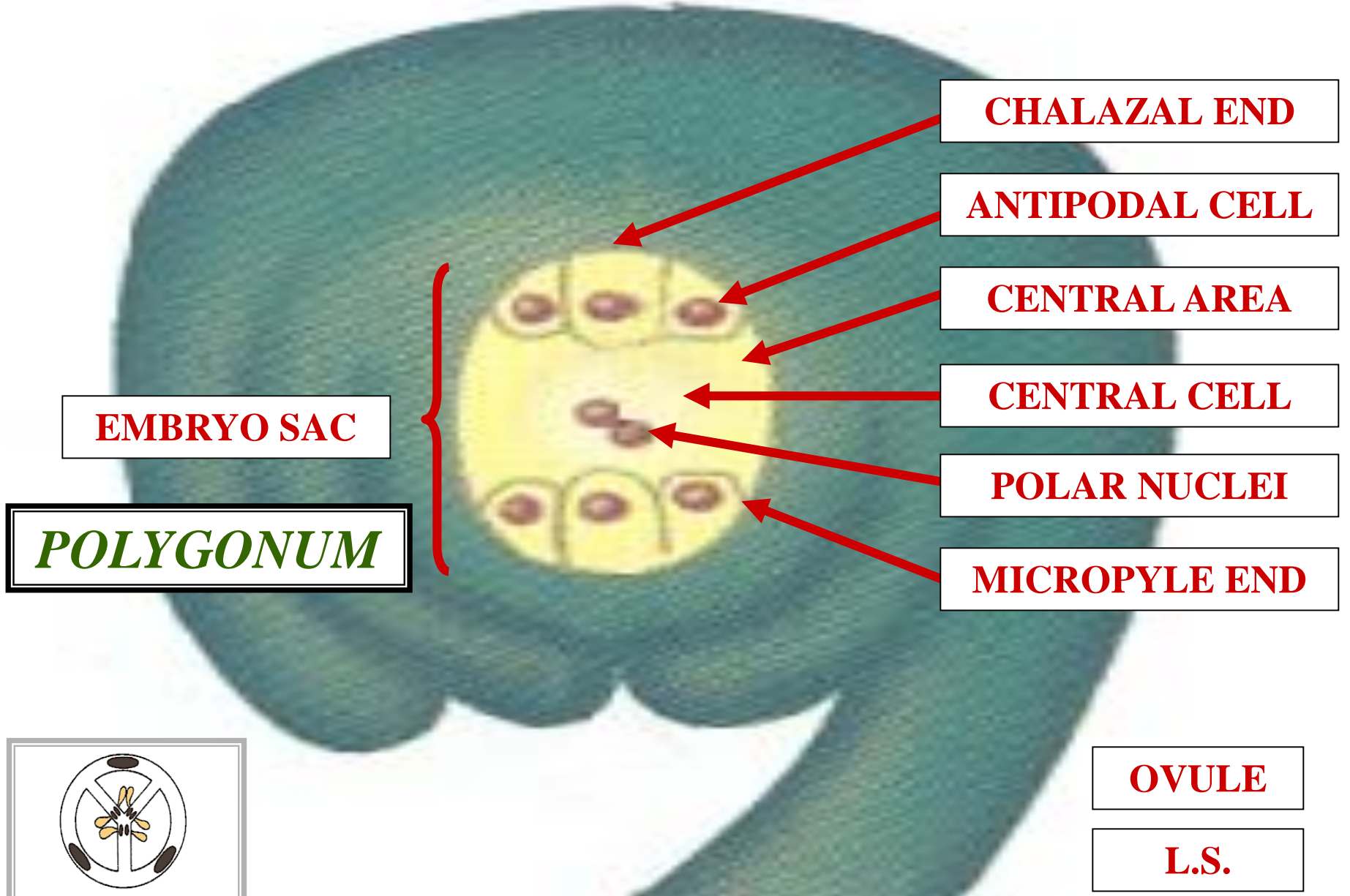
POLYGONUM

OVULE

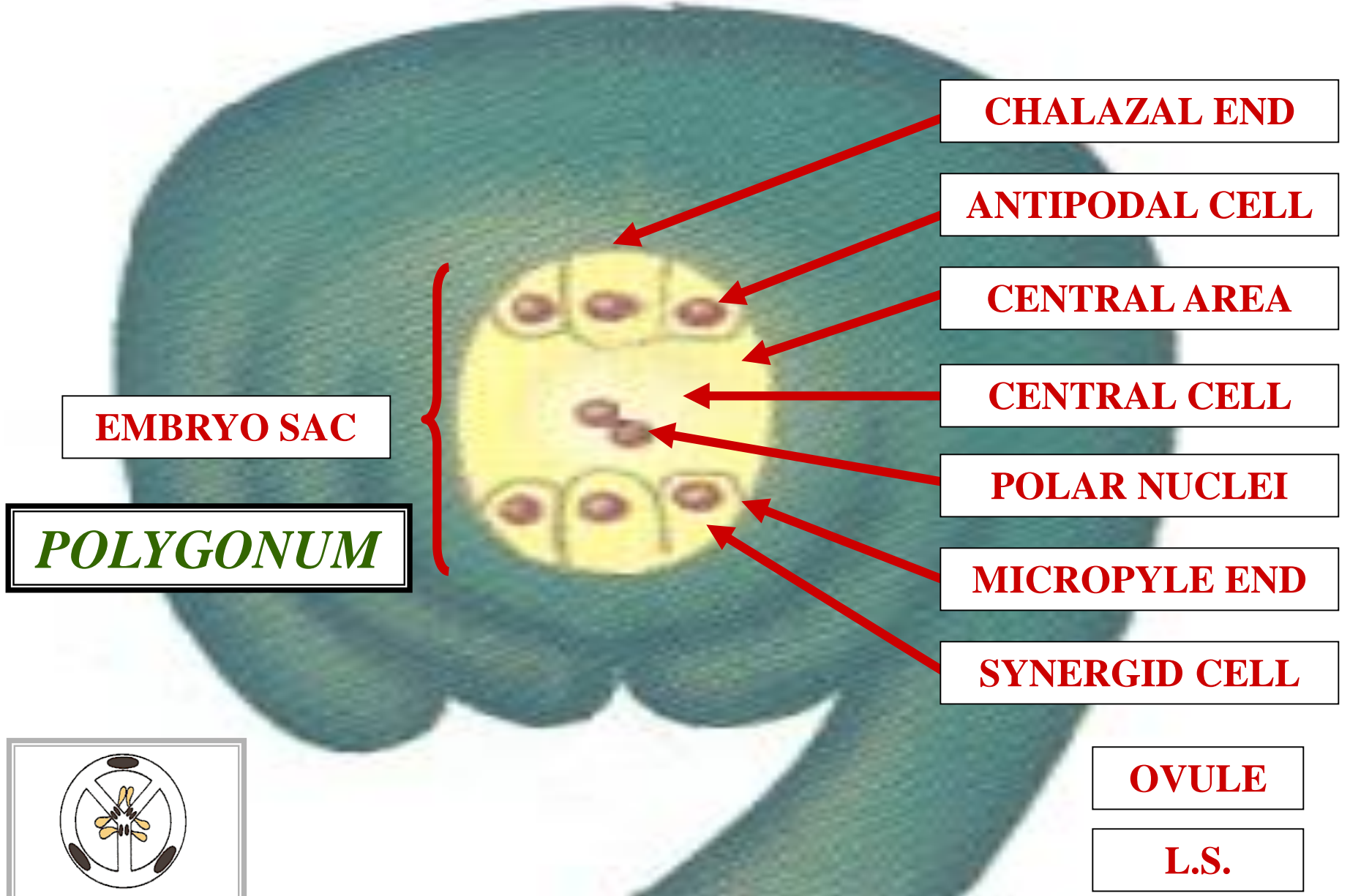
L.S.



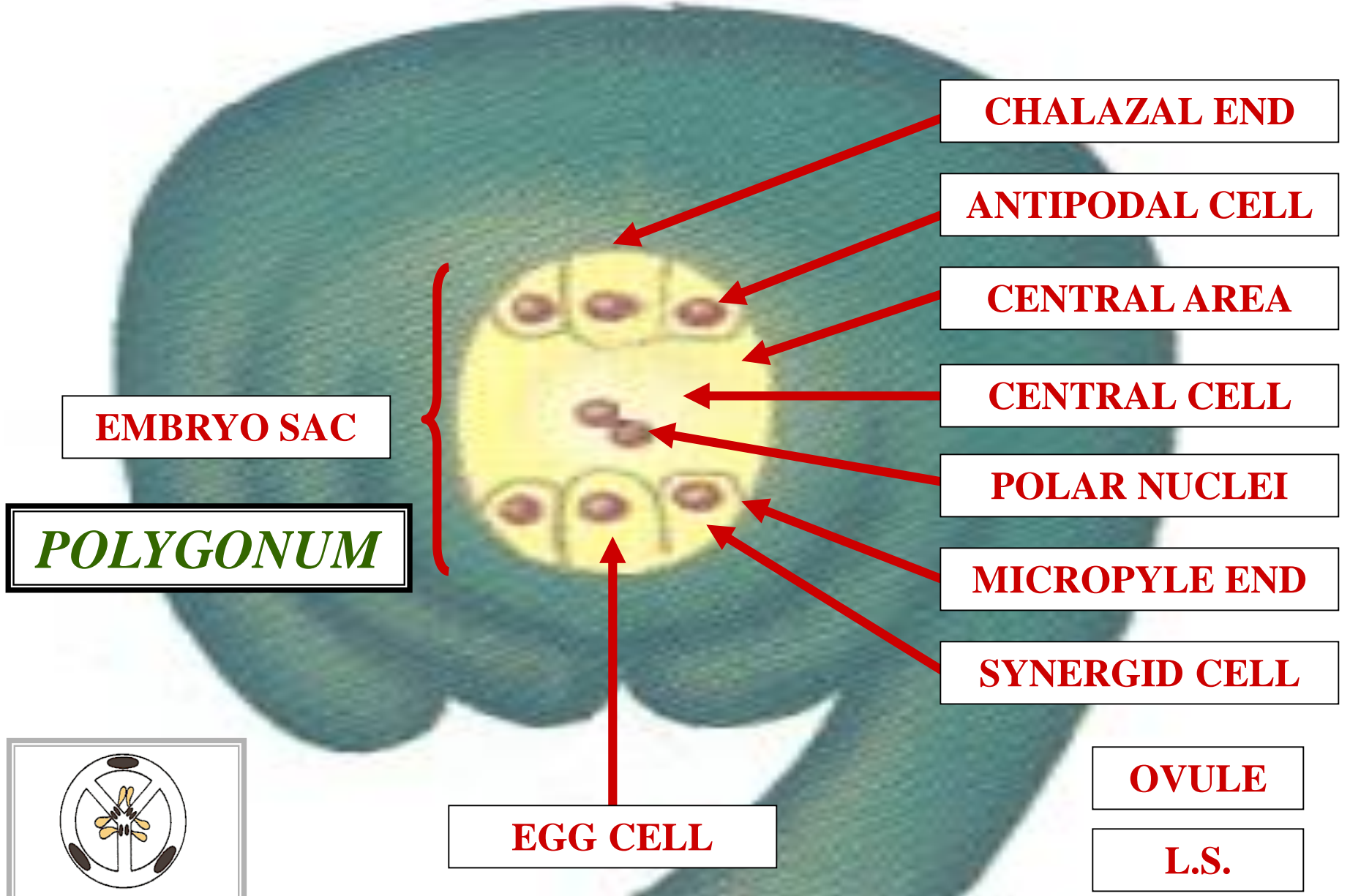
ANGIOSPERM OVULE



ANGIOSPERM OVULE



MATURE EMBRYO SAC





POLLINATION



PLANT 1



PLANT 2

 = **POLLEN GRAIN**



PLANT 1



PLANT 2

 = **POLLEN GRAIN**



PLANT 1



PLANT 2

 = **POLLEN GRAIN**

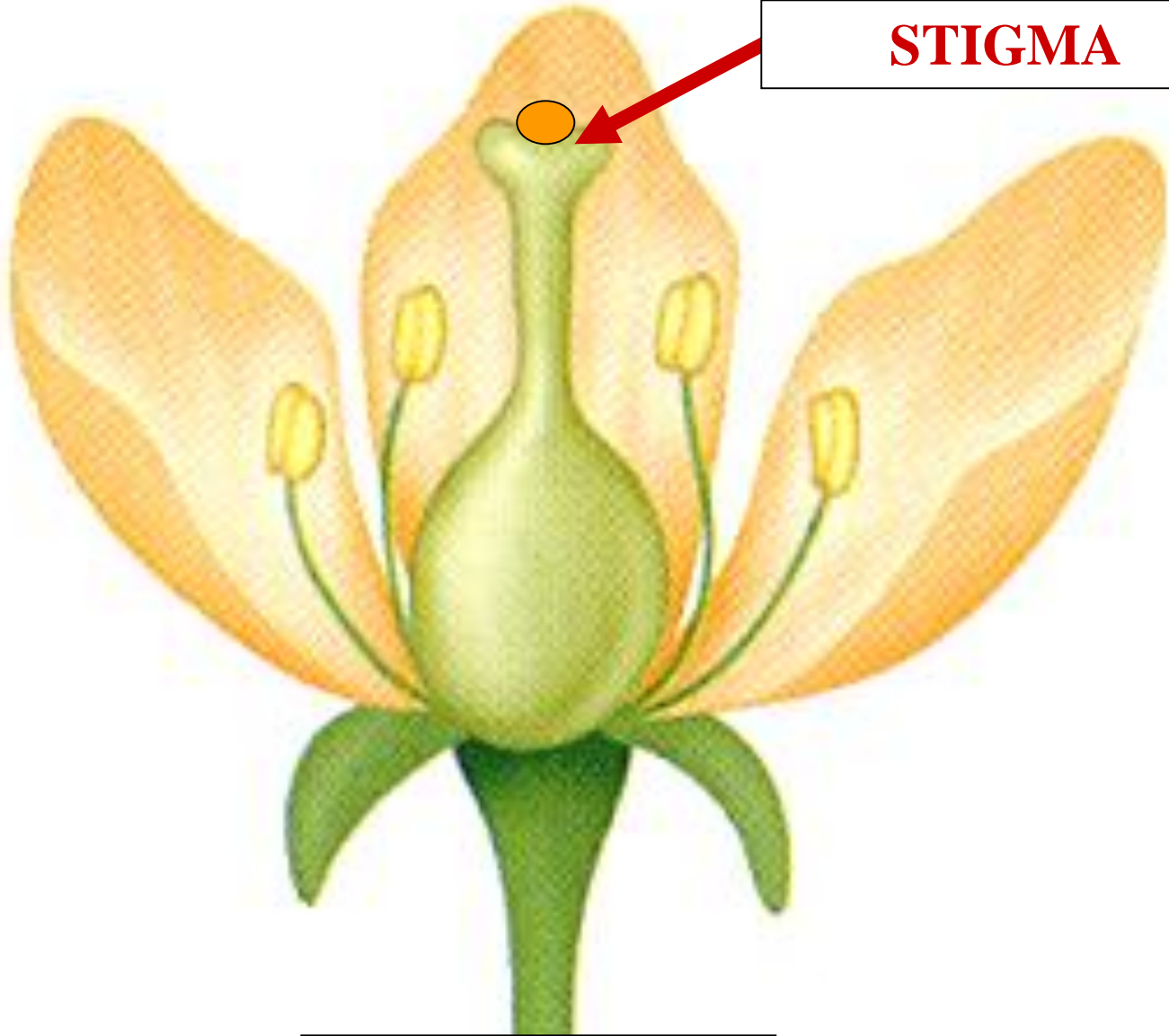


PLANT 1



PLANT 2

 = **POLLEN GRAIN**



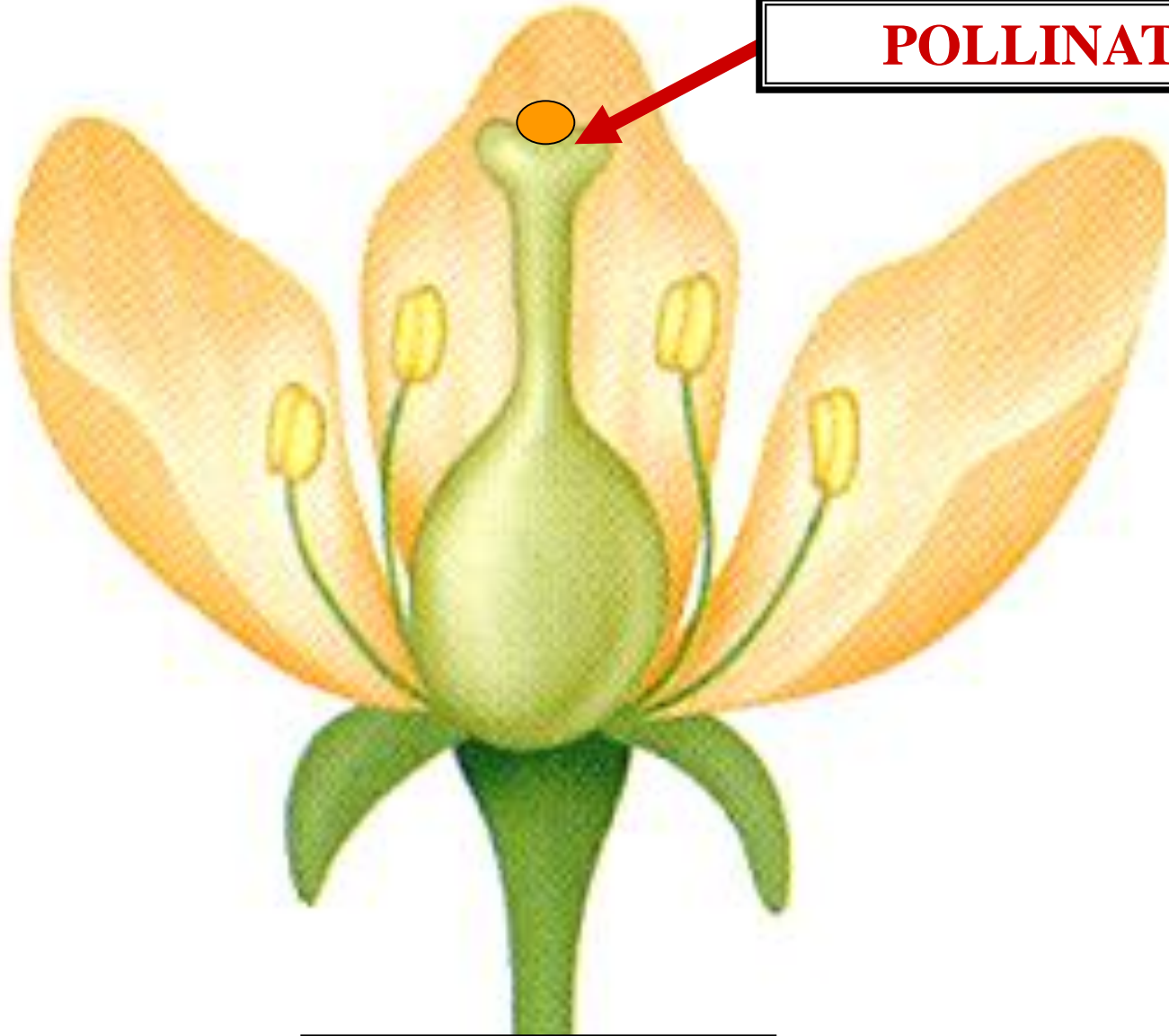
STIGMA

FLOWER

● = POLLEN GRAIN

POLLINATION

P



FLOWER

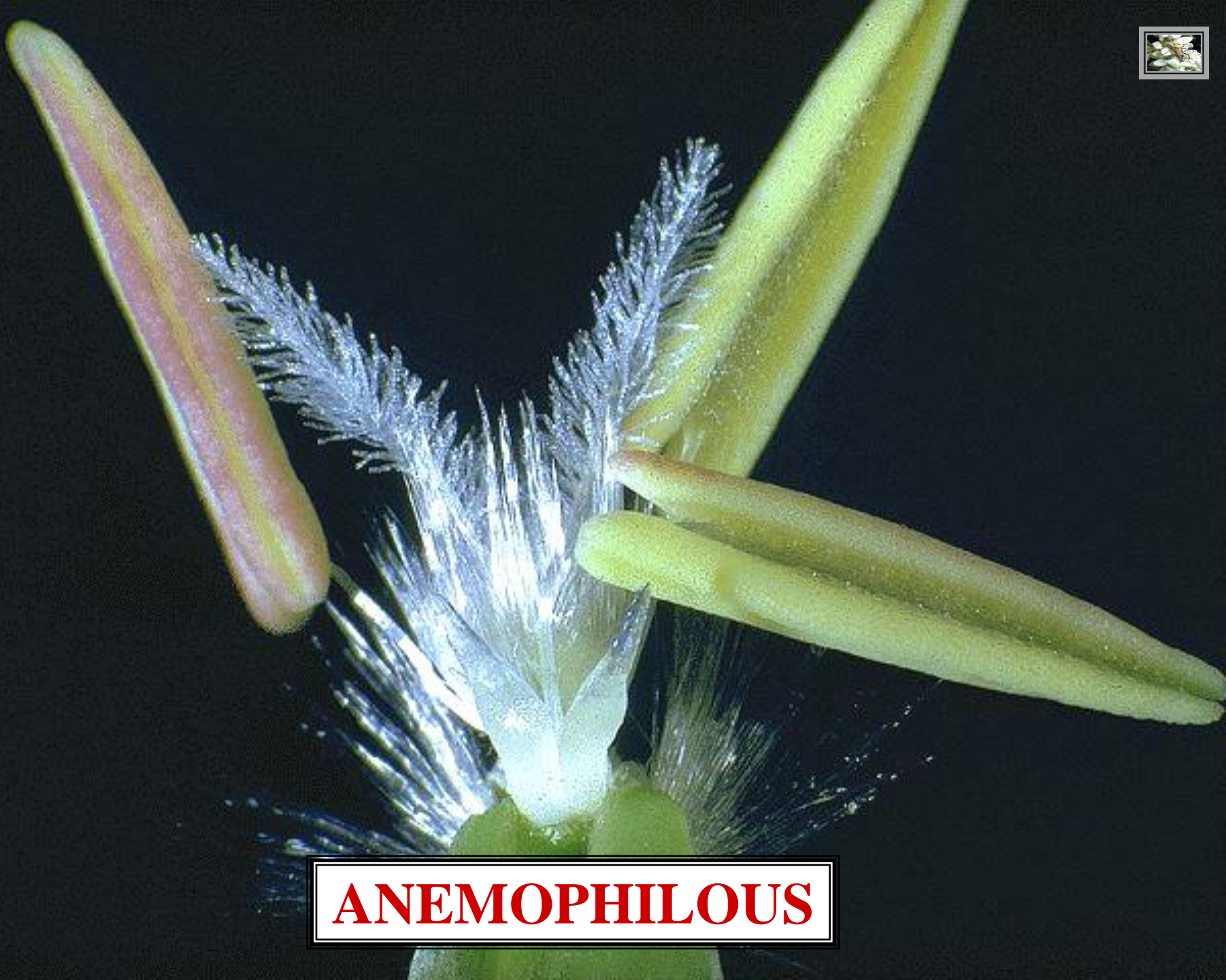
● = POLLEN GRAIN



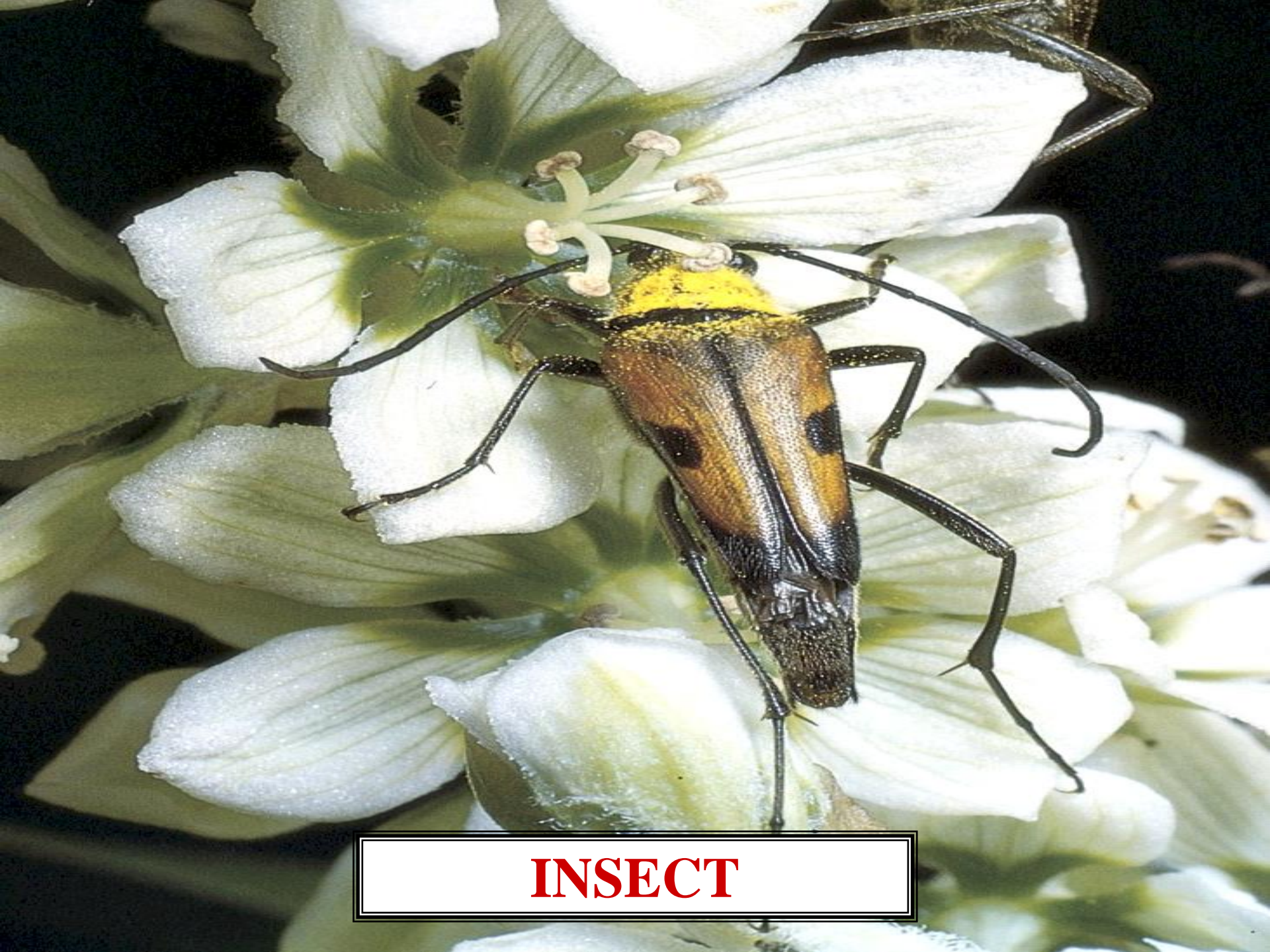
POLLINATION VECTORS



WIND



ANEMOPHILOUS



INSECT



ENTOMOPHILOUS



BIRD



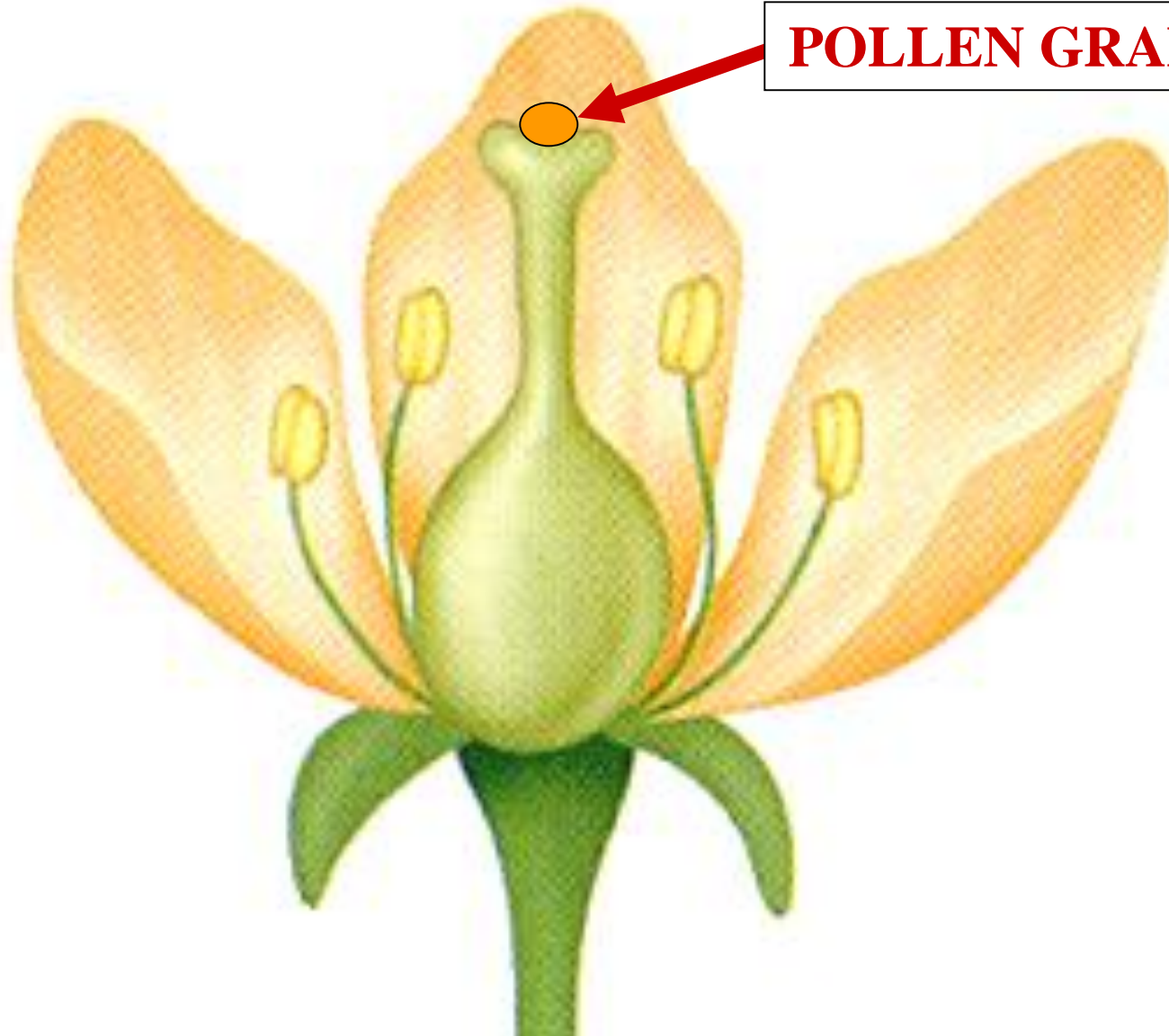
ORNITHOPHILOUS



BAT



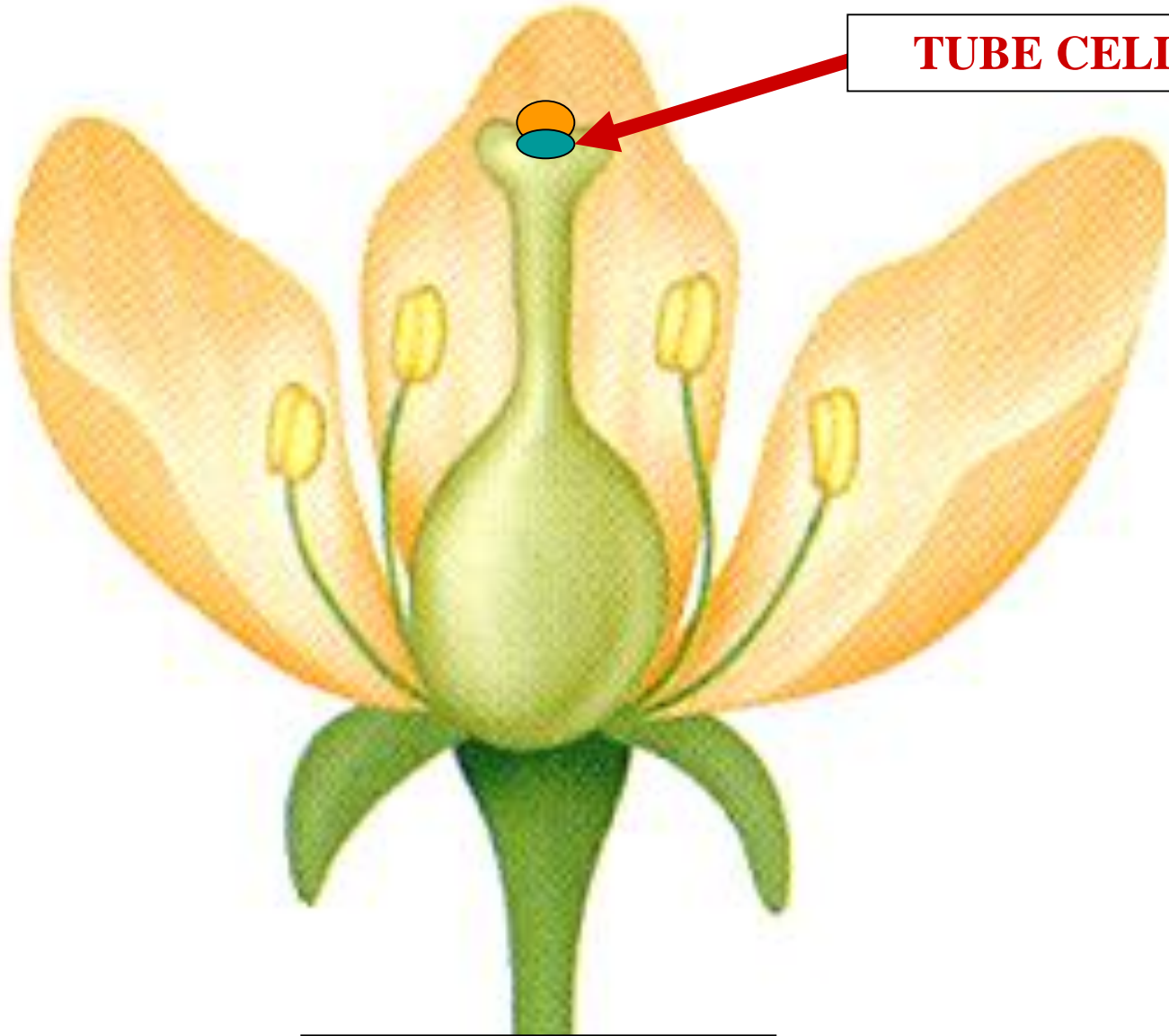
CHEIROPTEROPHILOUS



POLLEN GRAIN

FLOWER

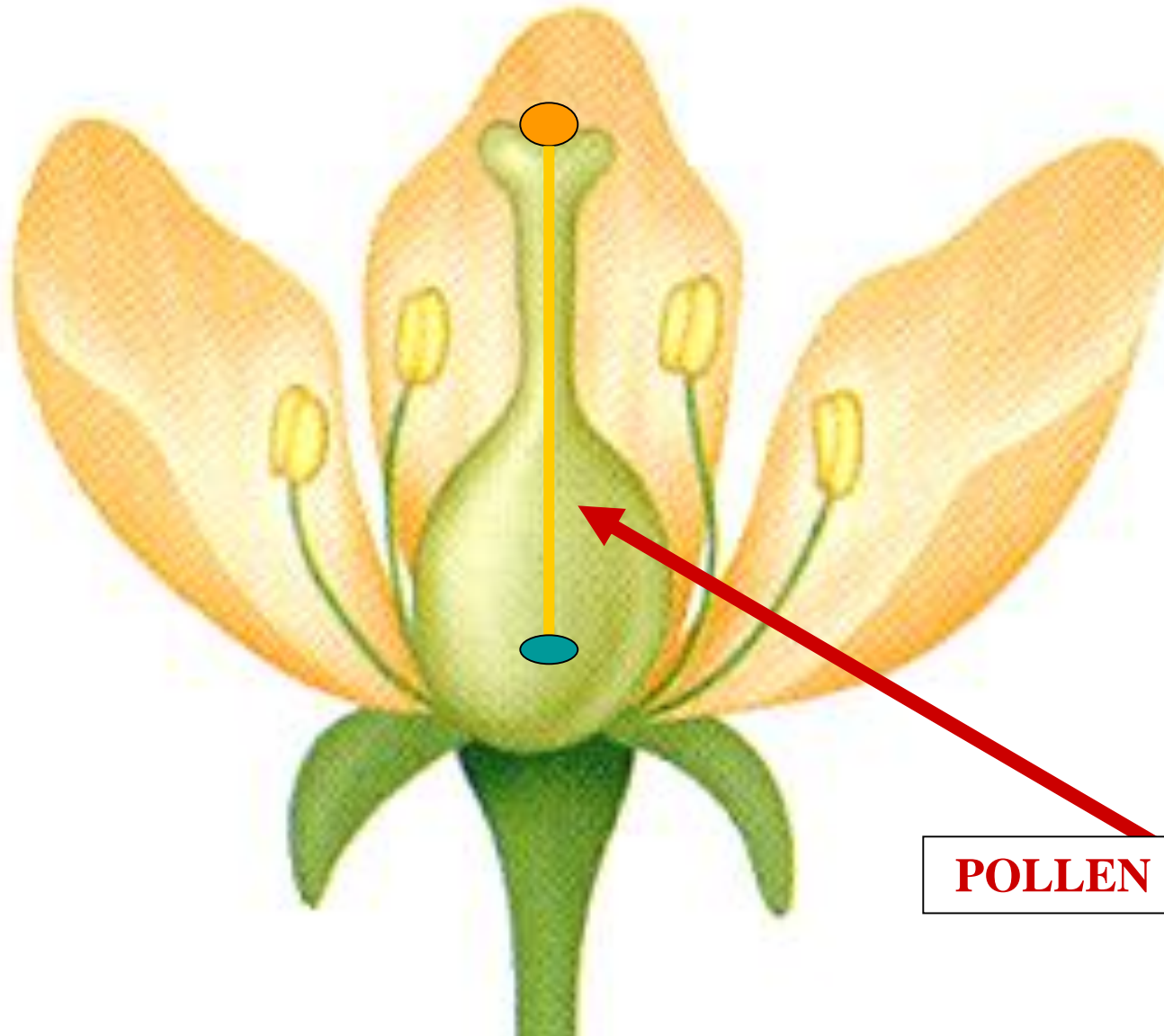
● = **POLLEN GRAIN**



TUBE CELL

FLOWER

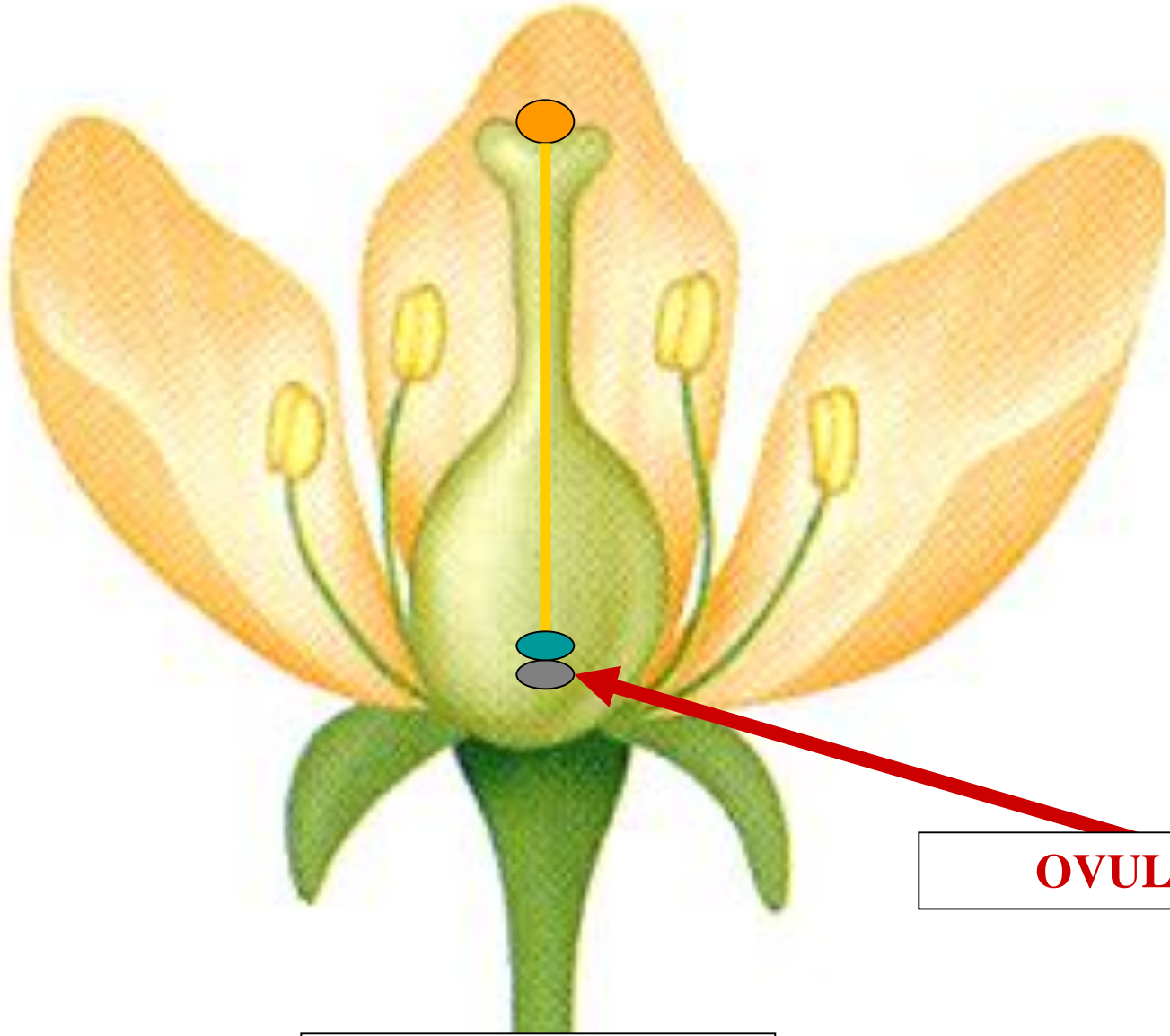
● = POLLEN GRAIN



POLLEN TUBE

FLOWER

● = POLLEN GRAIN



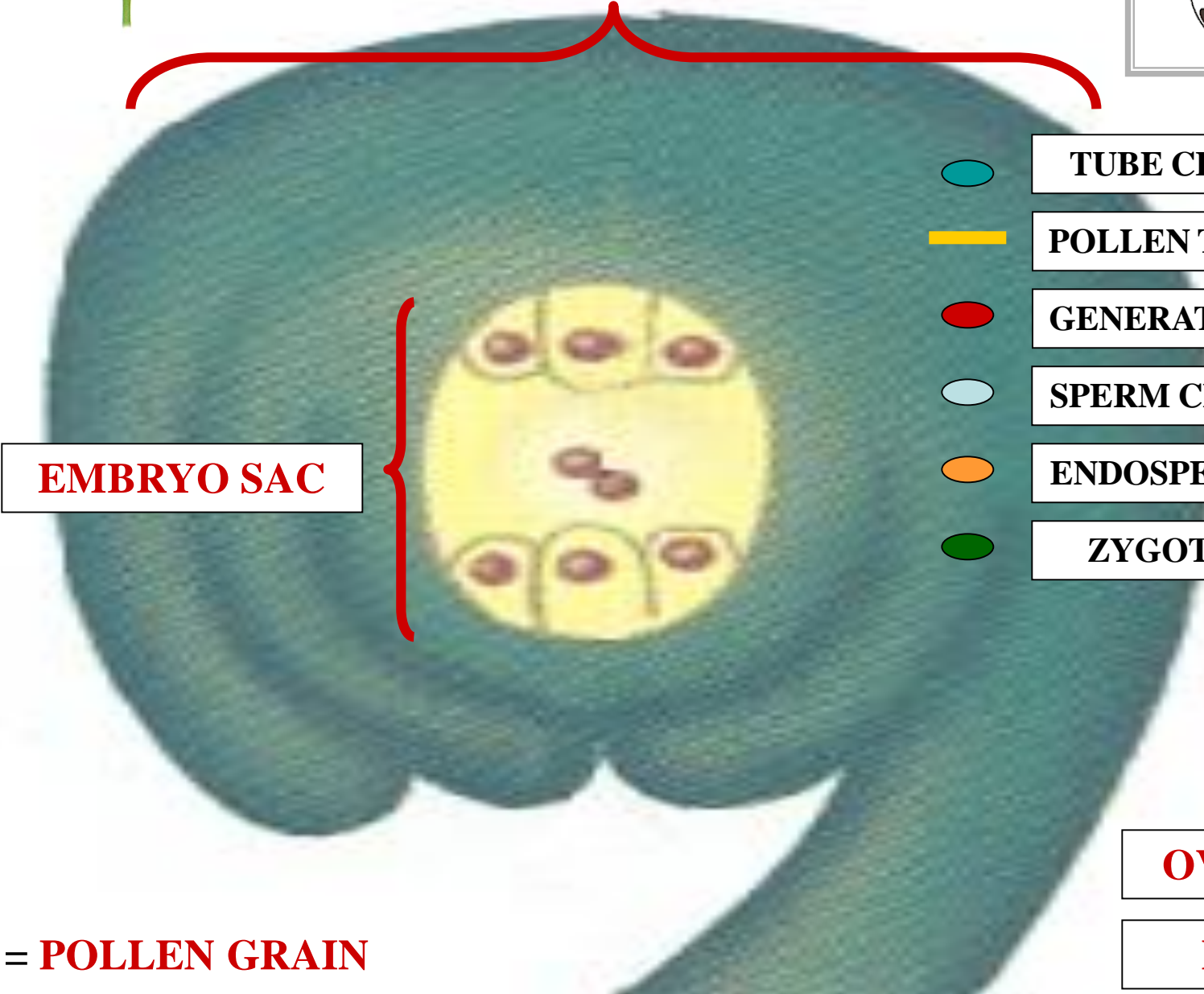
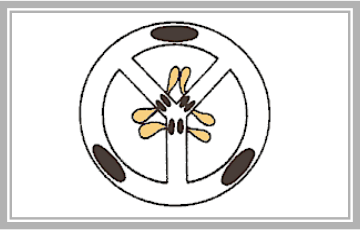
OVULE

FLOWER

● = POLLEN GRAIN



OVULE



EMBRYO SAC

TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

OVULE

L.S.







● = POLLEN GRAIN



OVULE



EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

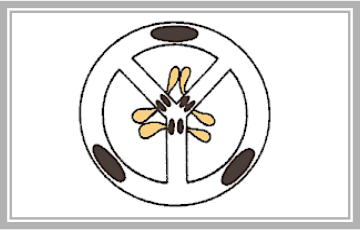
OVULE

L.S.











OVULE



EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

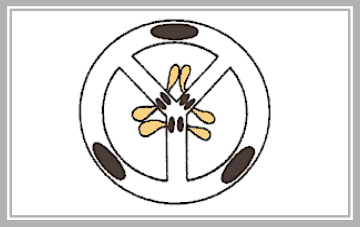
OVULE

L.S.











OVULE



EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

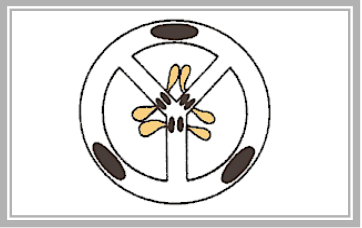
OVULE

L.S.





OVULE



+

EMBRYO SAC



TUBE CELL



POLLEN TUBE



GENERATIVE CELL



SPERM CELL



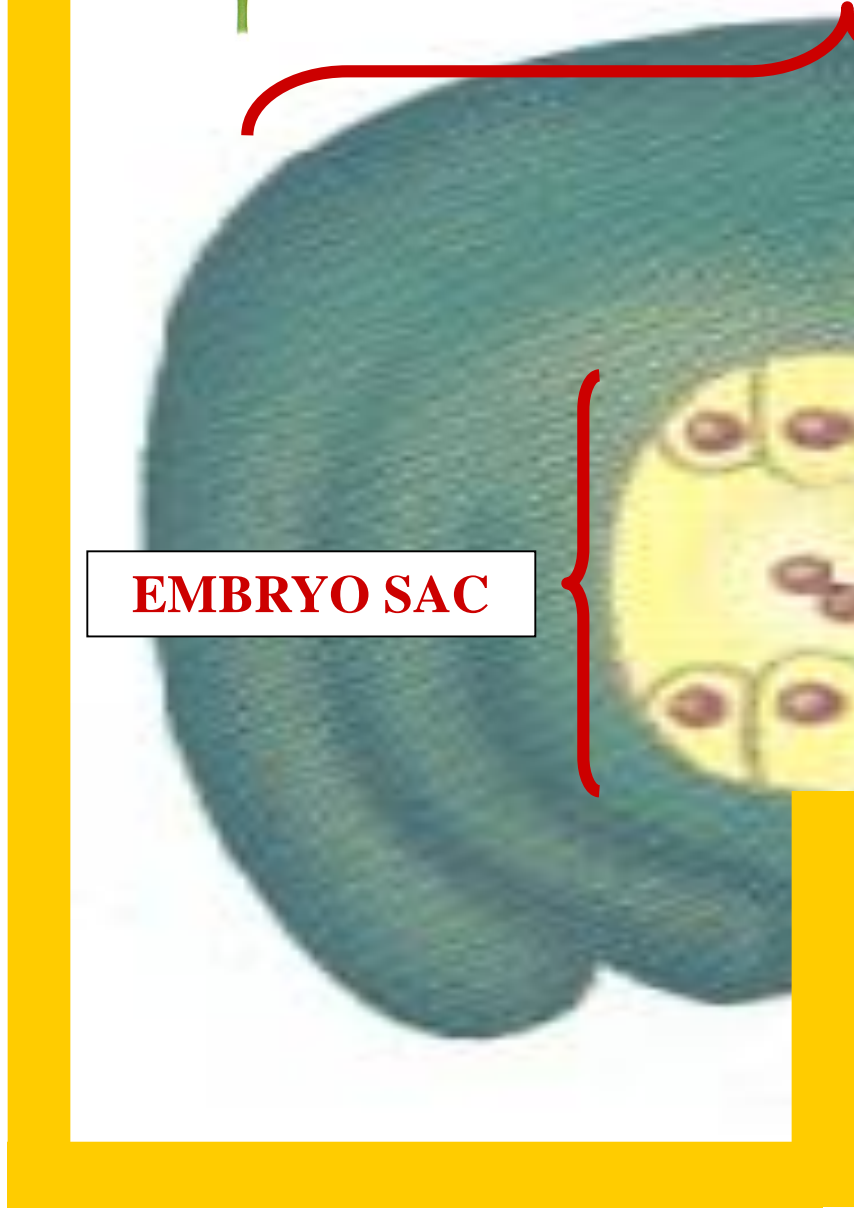
ENDOSPERM



ZYGOTE

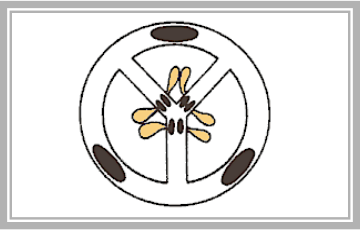
OVULE

L.S.











OVULE



+

EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

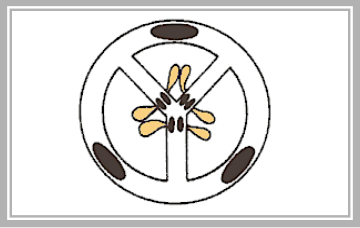
OVULE

L.S.











OVULE



+

EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

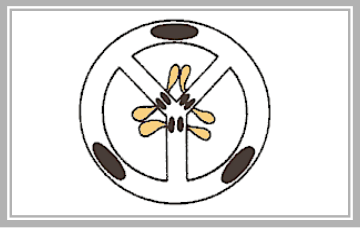
OVULE

L.S.











OVULE



+

EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

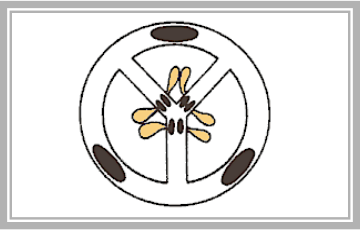
OVULE

L.S.











OVULE



+

EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

OVULE

L.S.











OVULE



M

EMBRYO SAC

-  **TUBE CELL**
-  **POLLEN TUBE**
-  **GENERATIVE CELL**
-  **SPERM CELL**
-  **ENDOSPERM**
-  **ZYGOTE**

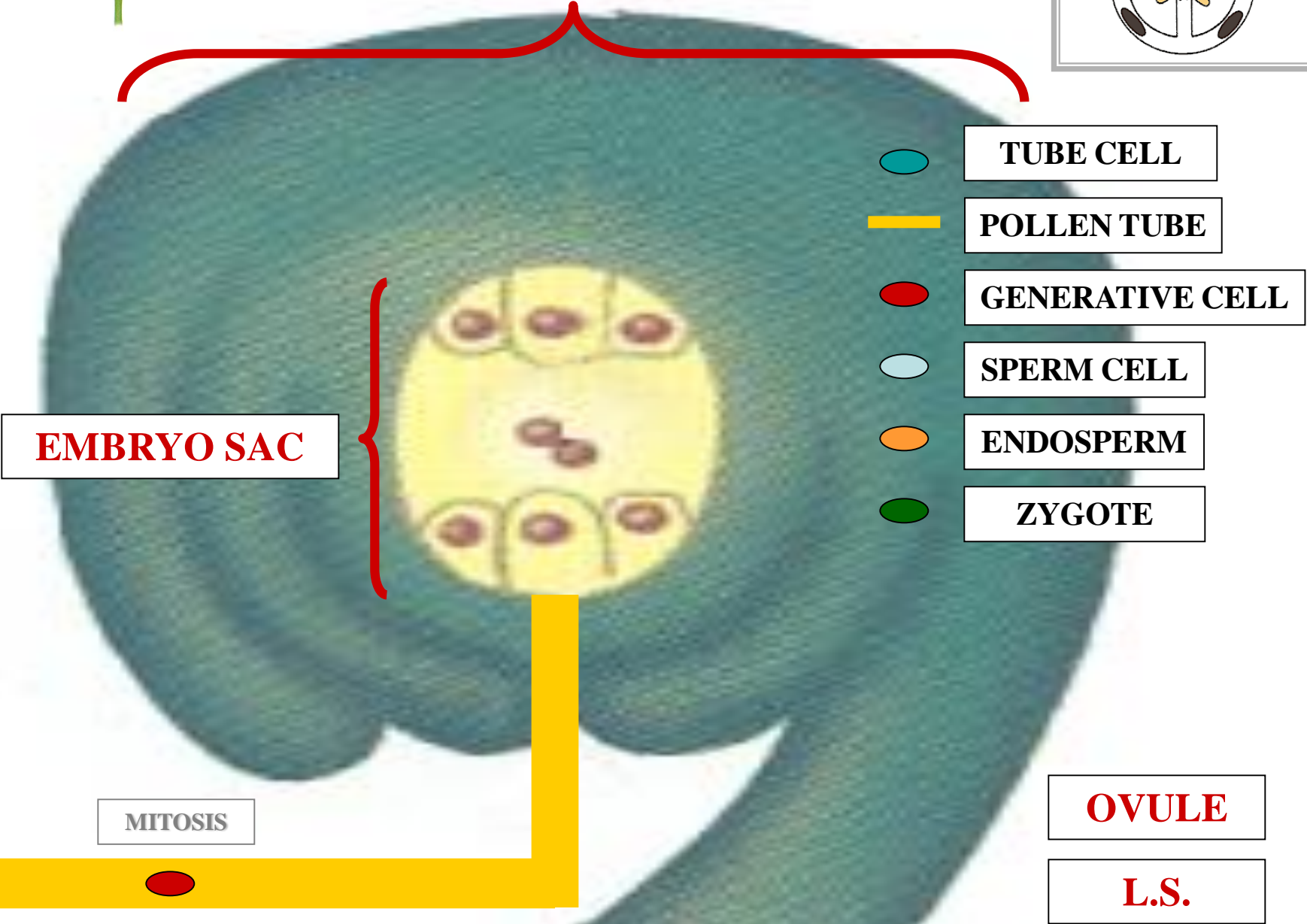
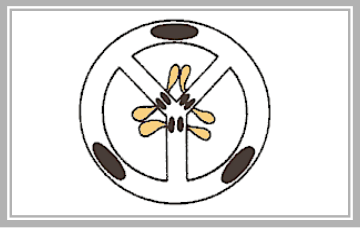
OVULE

L.S.





OVULE



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

EMBRYO SAC

MITOSIS

OVULE

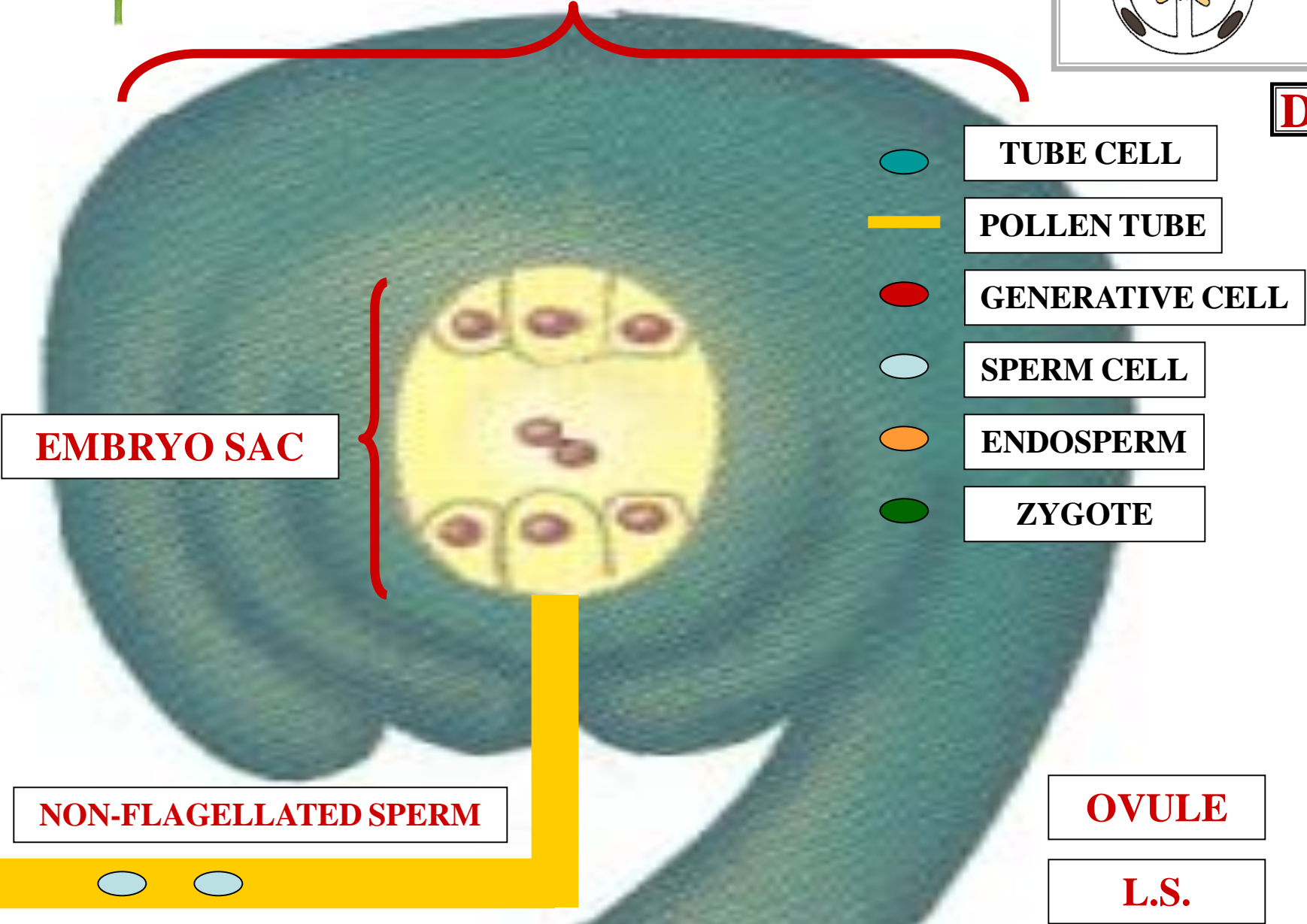
L.S.



OVULE



D



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

EMBRYO SAC

NON-FLAGELLATED SPERM

OVULE

L.S.



OVULE



EMBRYO SAC

TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

DOUBLE FERTILIZATION

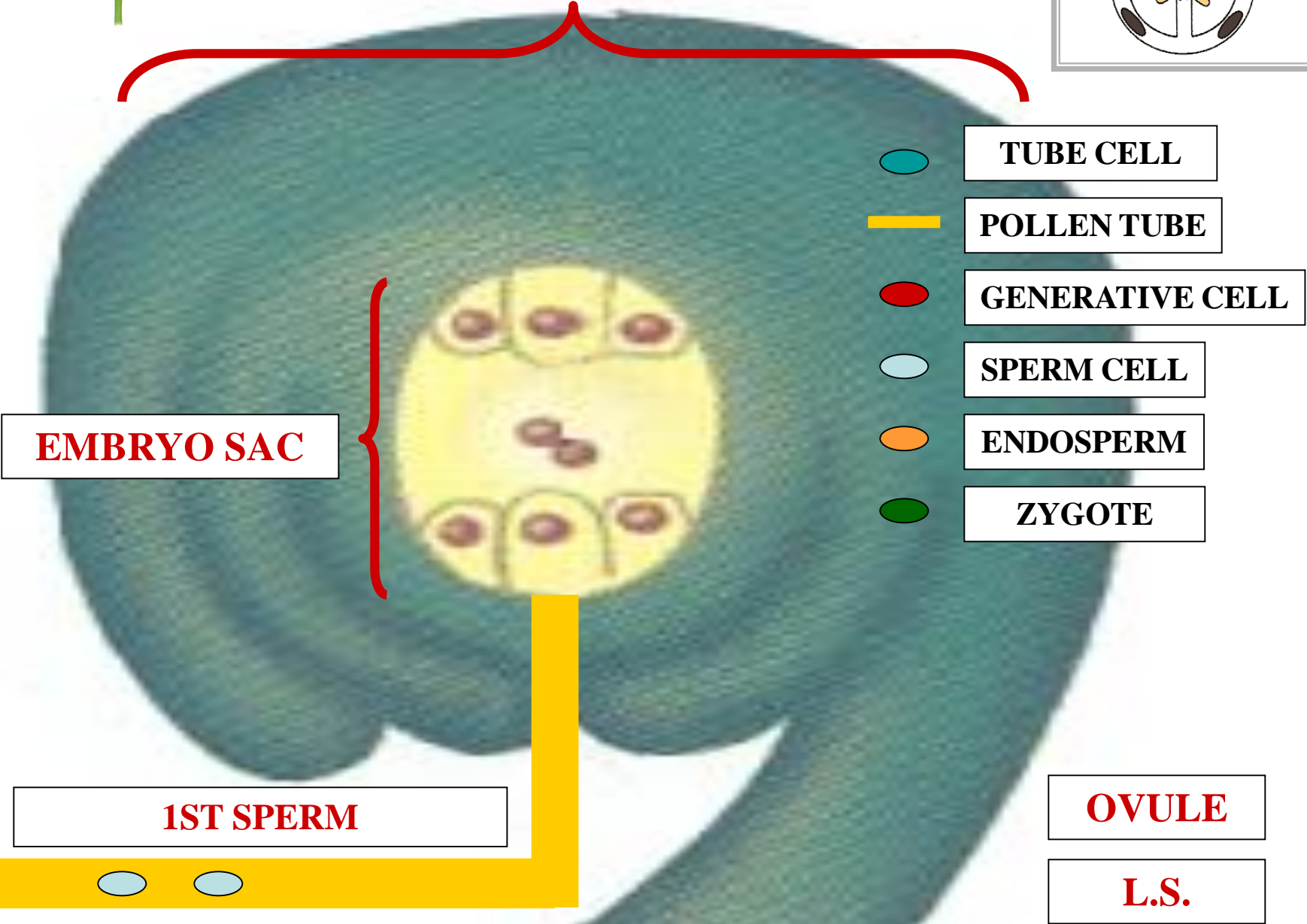
OVULE

L.S.



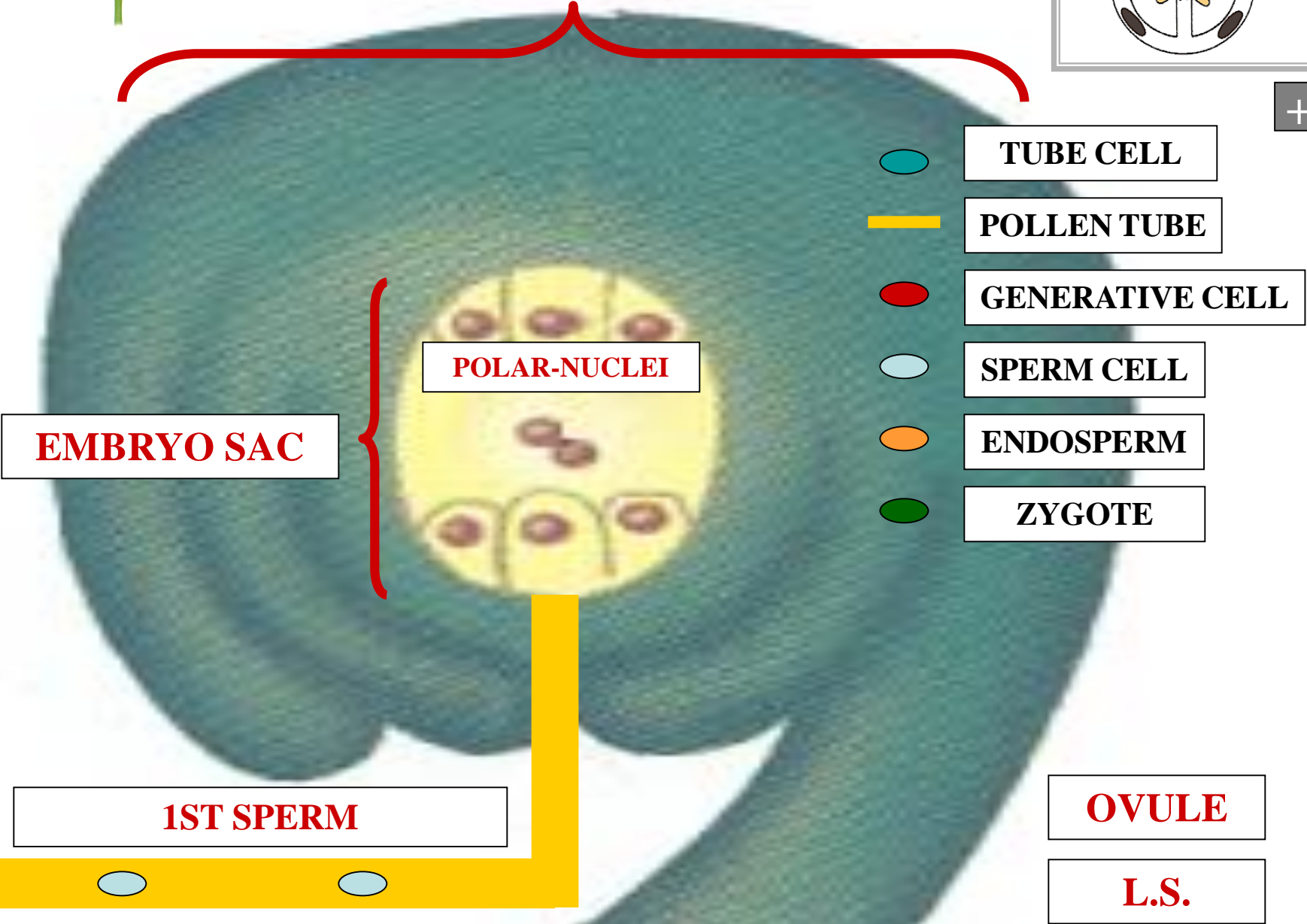
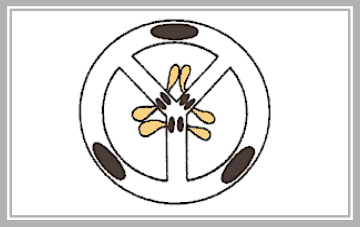


OVULE





OVULE



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

POLAR-NUCLEI

EMBRYO SAC

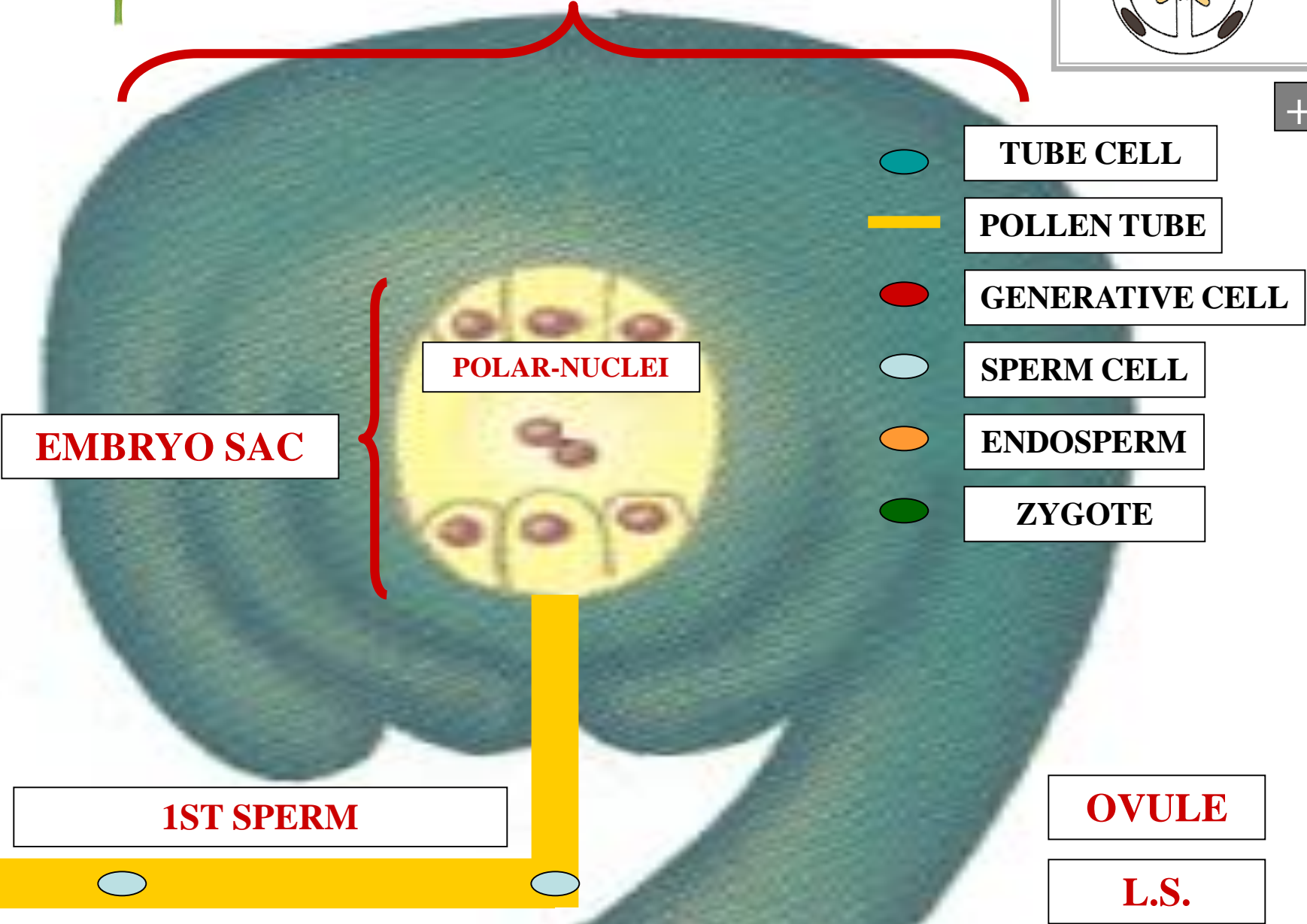
1ST SPERM

OVULE

L.S.



OVULE



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

POLAR-NUCLEI

EMBRYO SAC

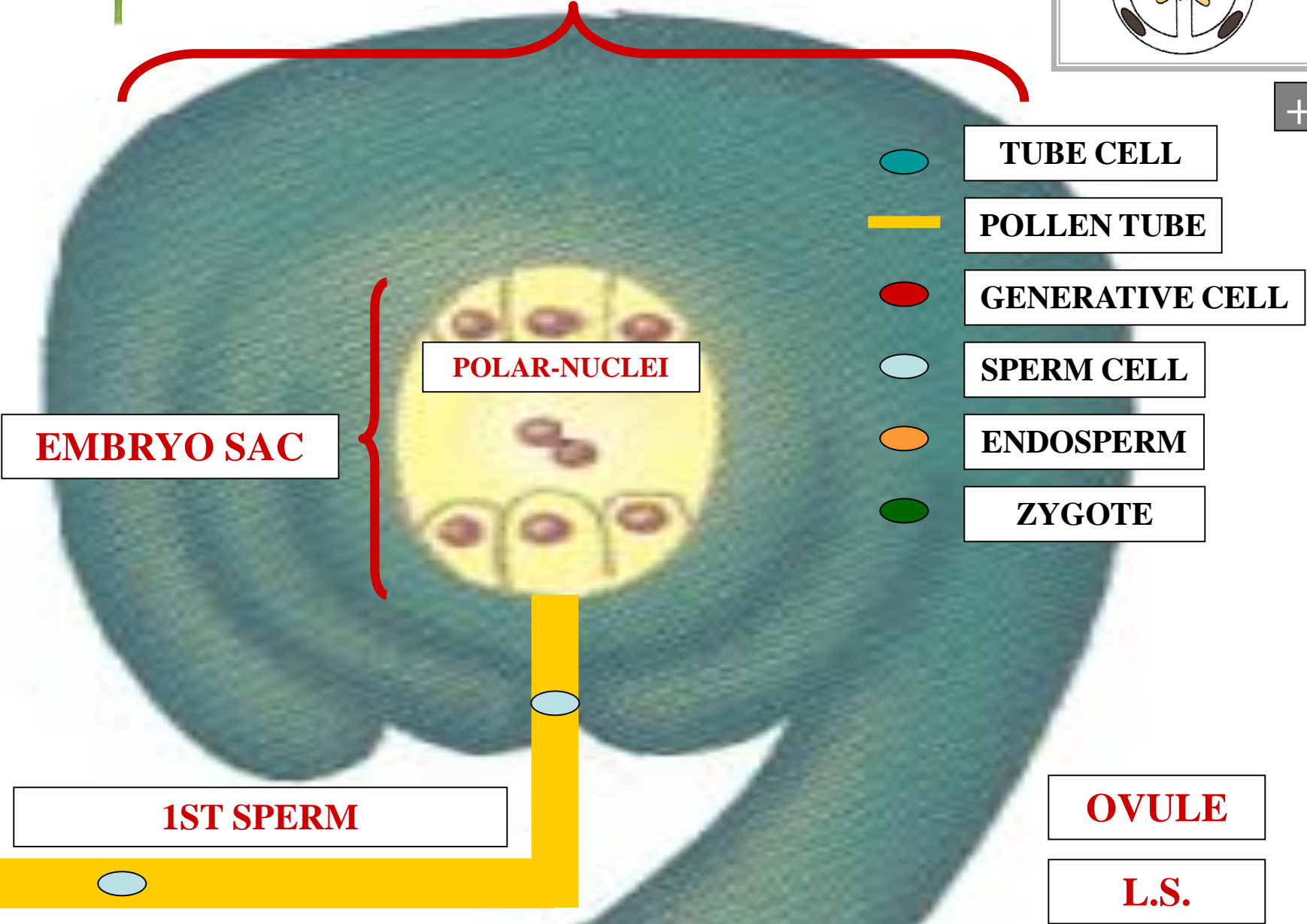
1ST SPERM

OVULE

L.S.



OVULE



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

POLAR-NUCLEI

EMBRYO SAC

1ST SPERM

OVULE

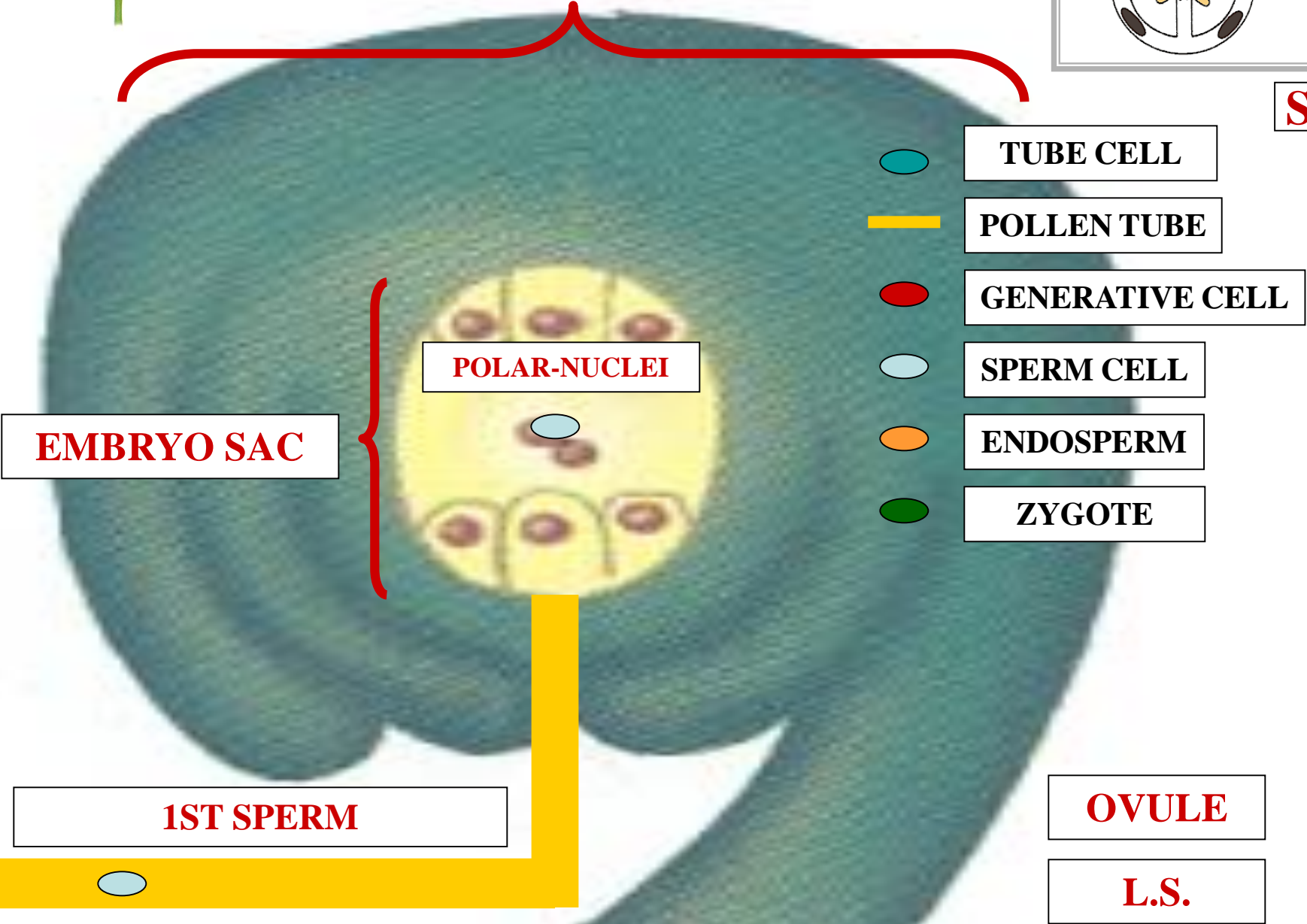
L.S.



OVULE



S



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

POLAR-NUCLEI

EMBRYO SAC

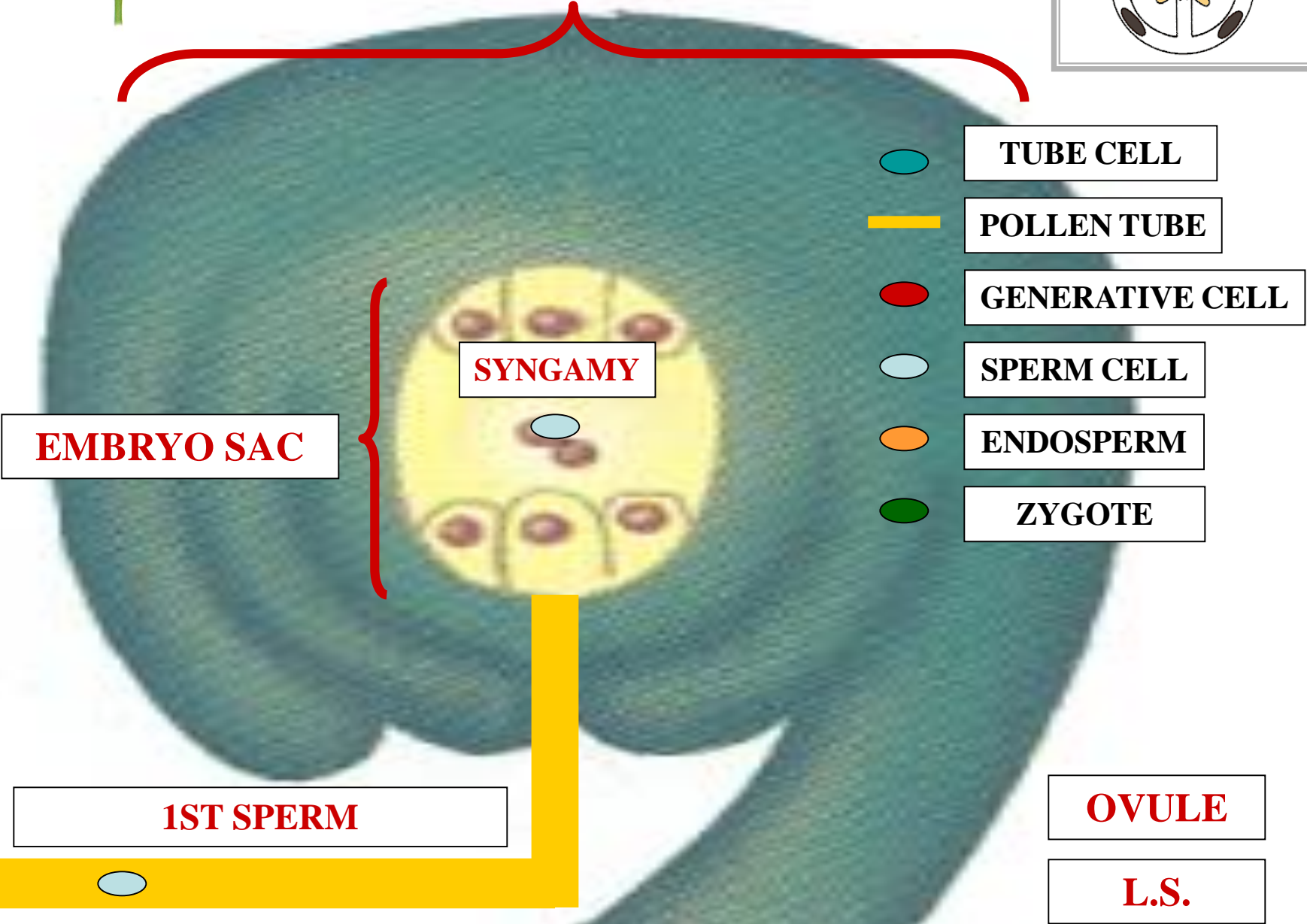
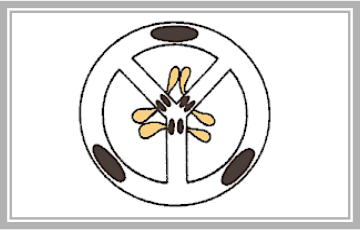
1ST SPERM

OVULE

L.S.



OVULE



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

EMBRYO SAC

SYNGAMY

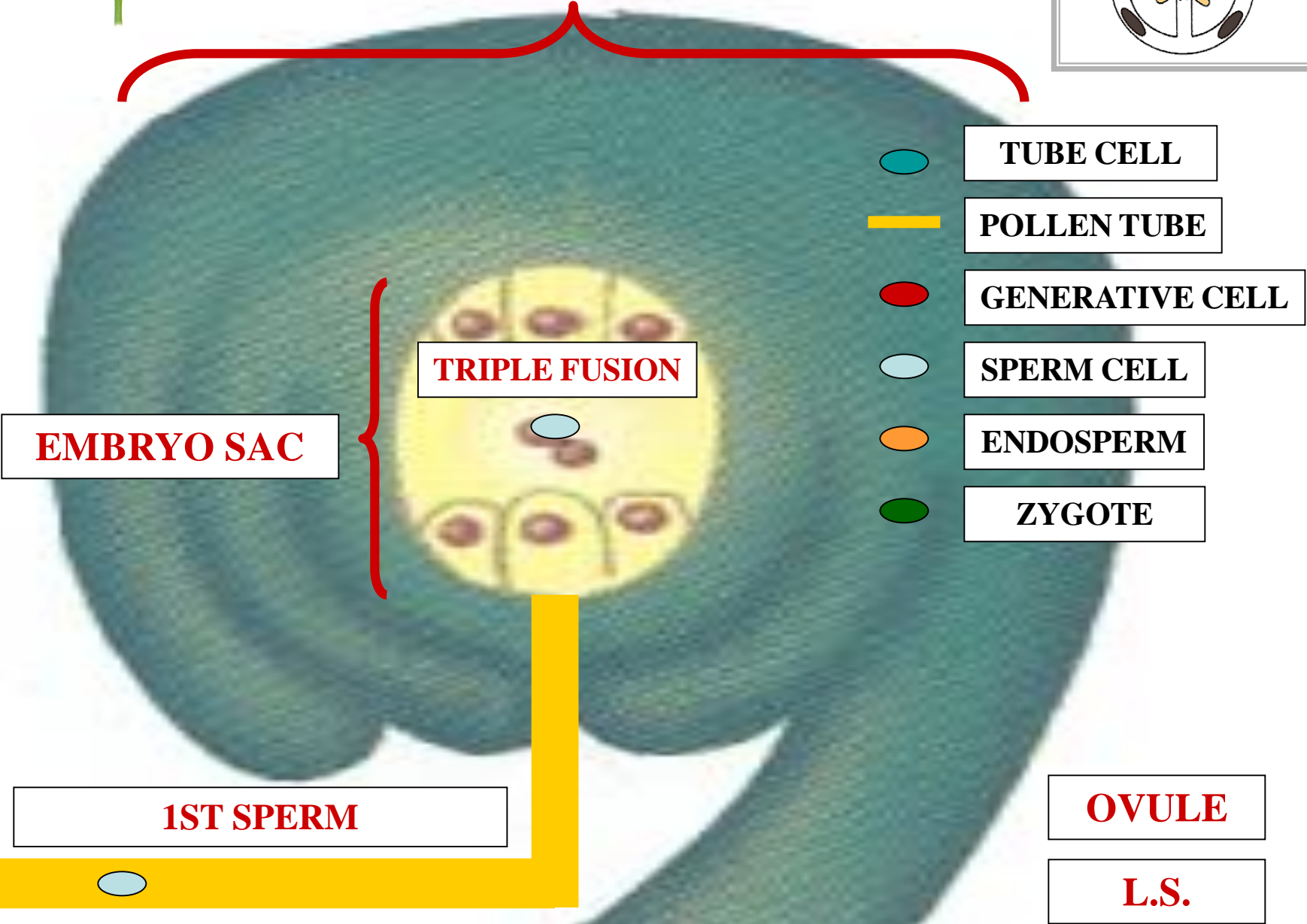
1ST SPERM

OVULE

L.S.



OVULE



TUBE CELL

POLLEN TUBE

GENERATIVE CELL

SPERM CELL

ENDOSPERM

ZYGOTE

EMBRYO SAC

TRIPLE FUSION

1ST SPERM

OVULE

L.S.