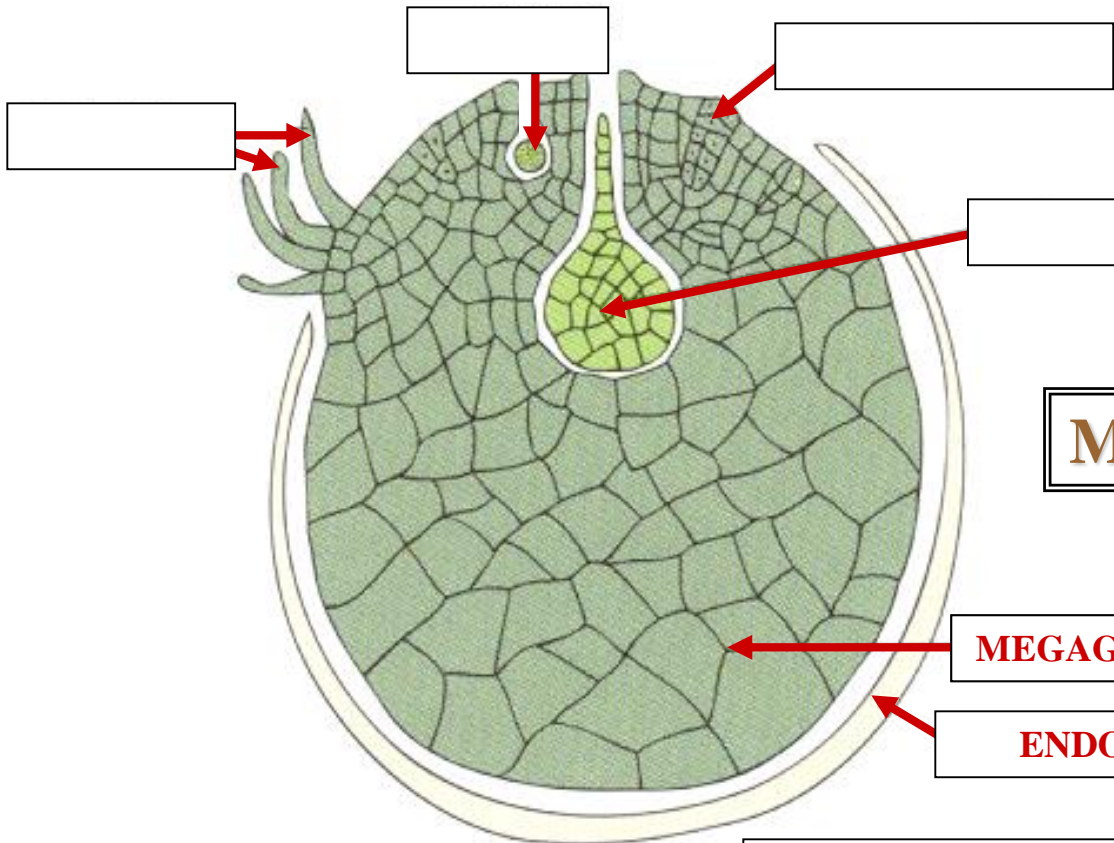


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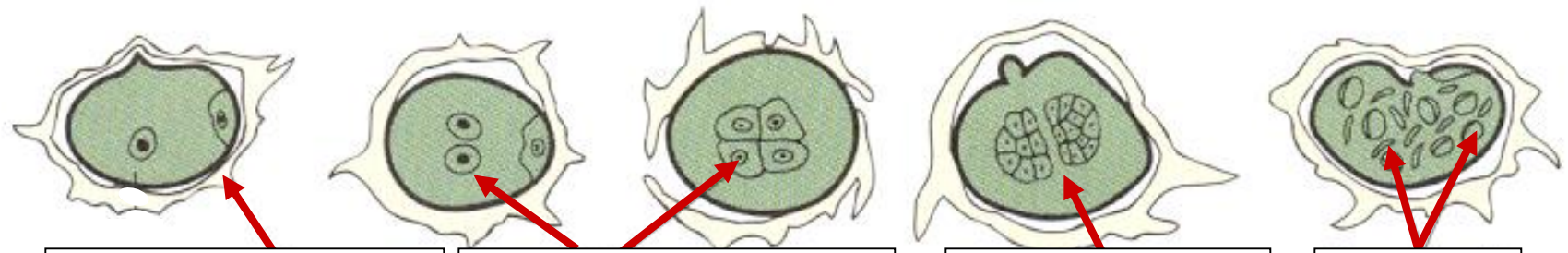
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MICROSPORE

GAMETOPHYTE

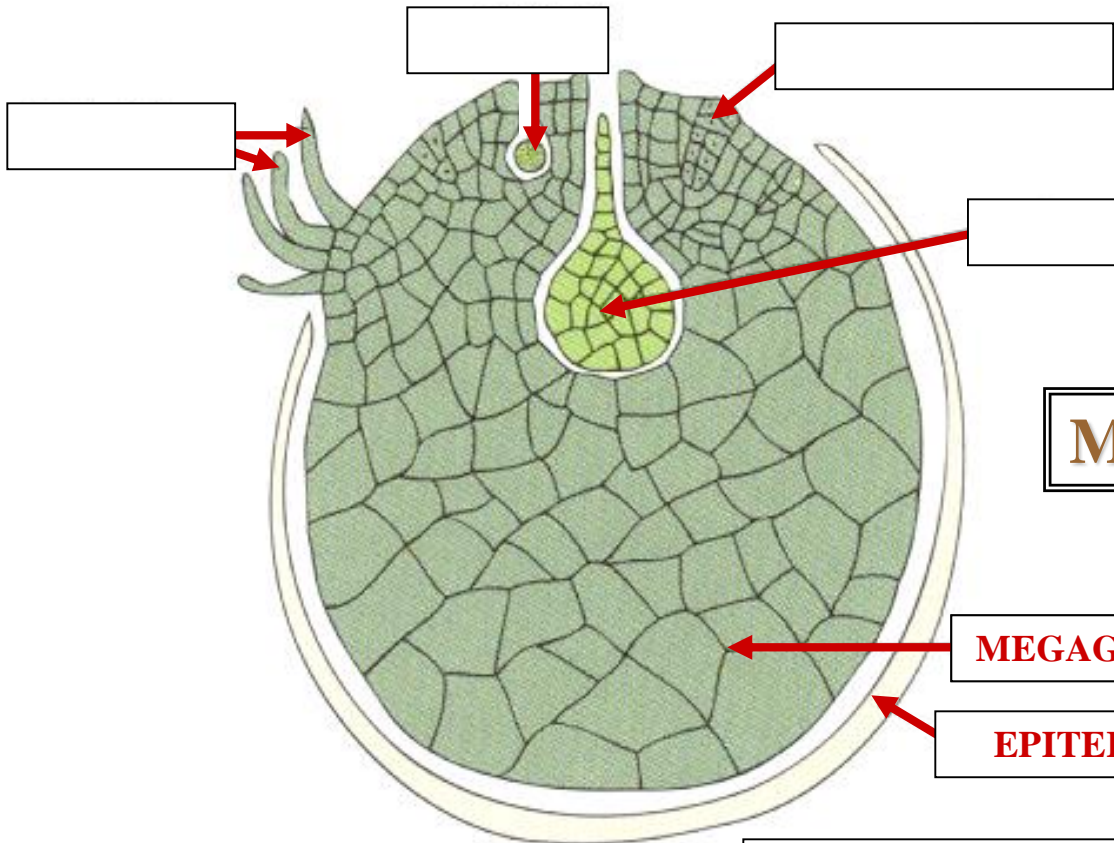


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MICROGAMETOPHYTE

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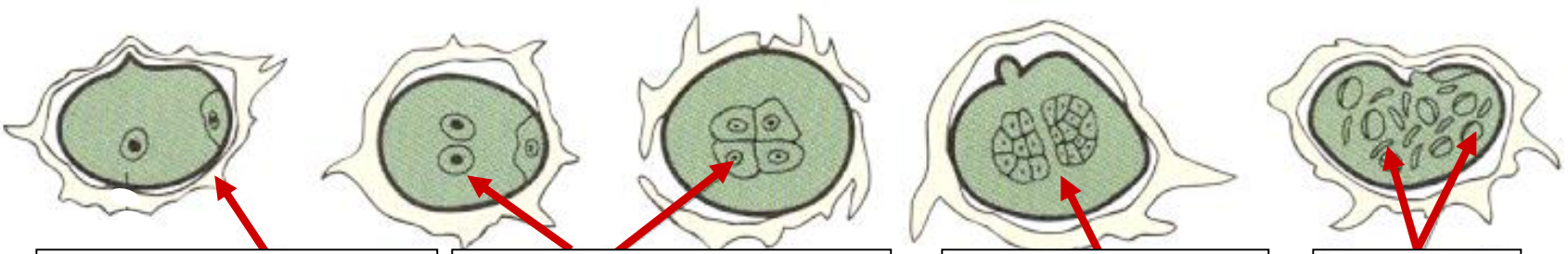
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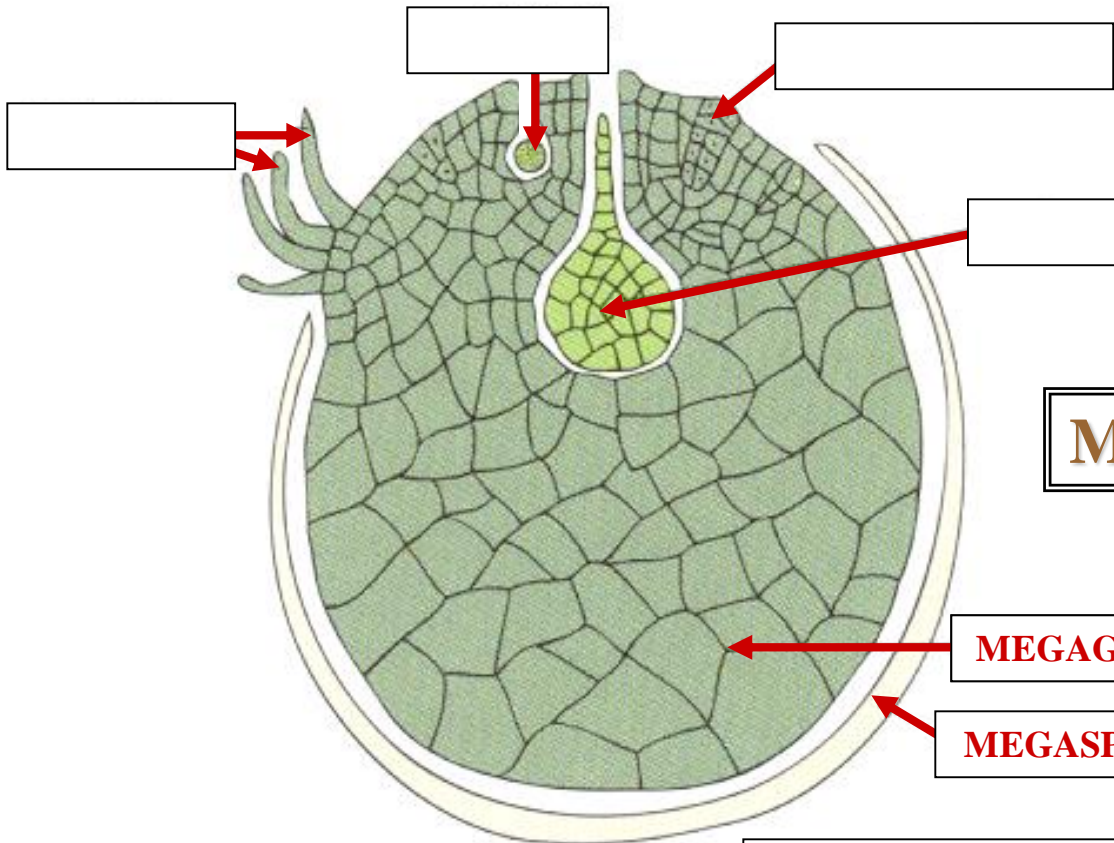


EPITERRANEAN

MICROGAMETOPHYTE

SELAGINELLA

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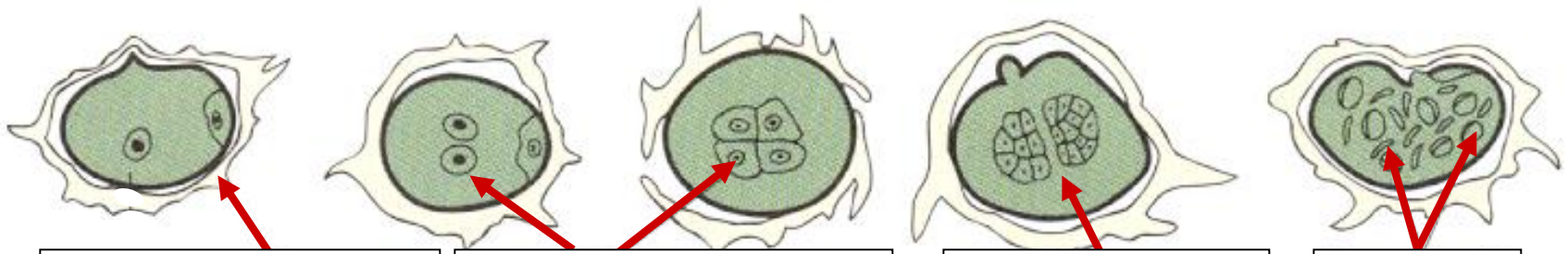
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MEGASPORE WALL

MICROSPORE

GAMETOPHYTE



MICROSPORE WALL

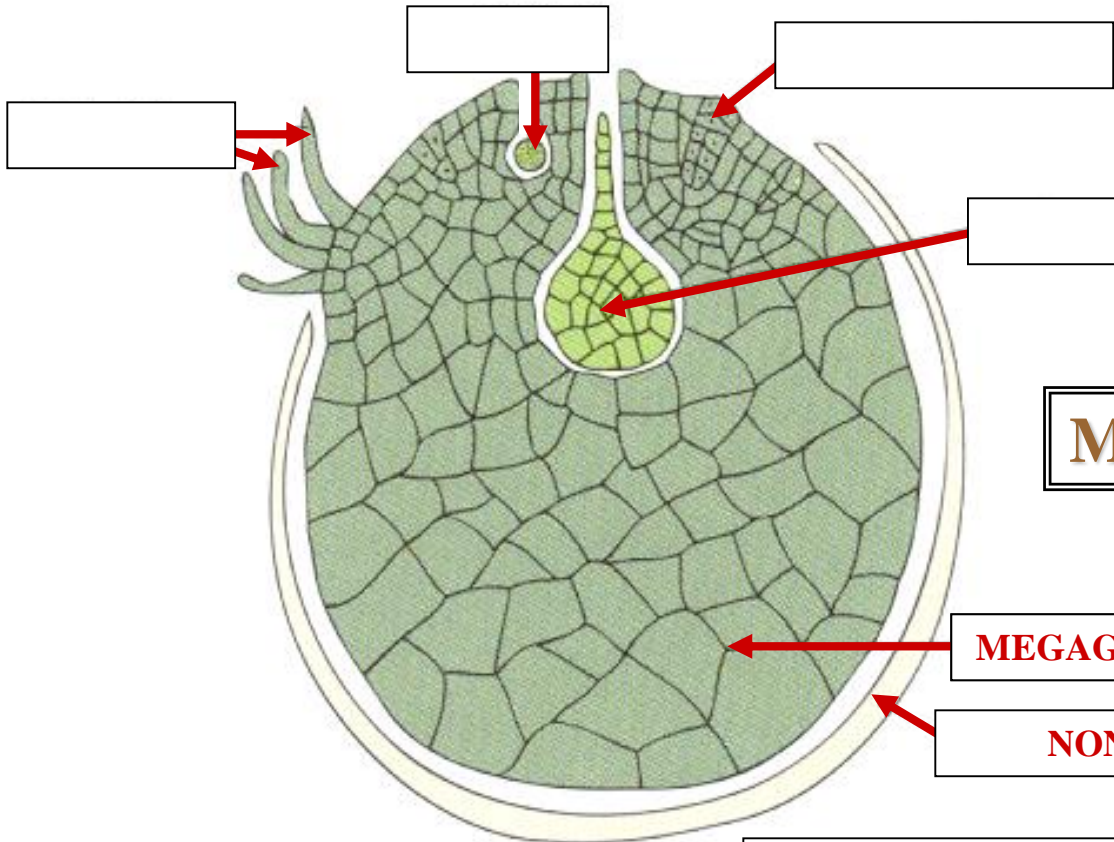
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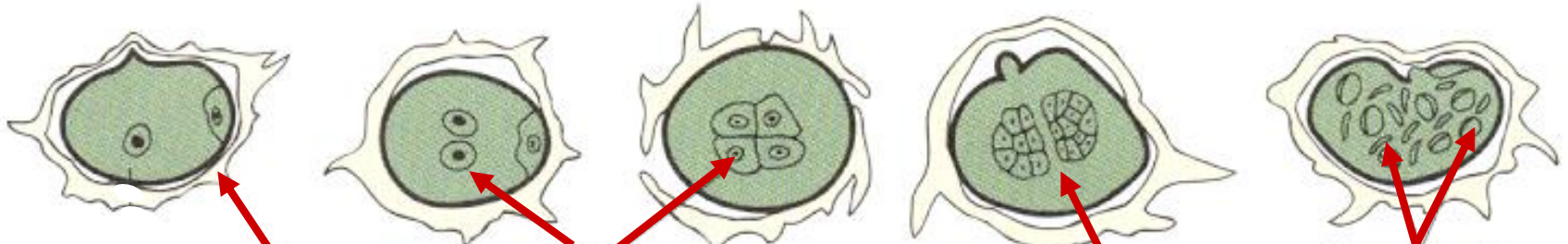
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MICROSPORE

GAMETOPHYTE



NON-PSYN

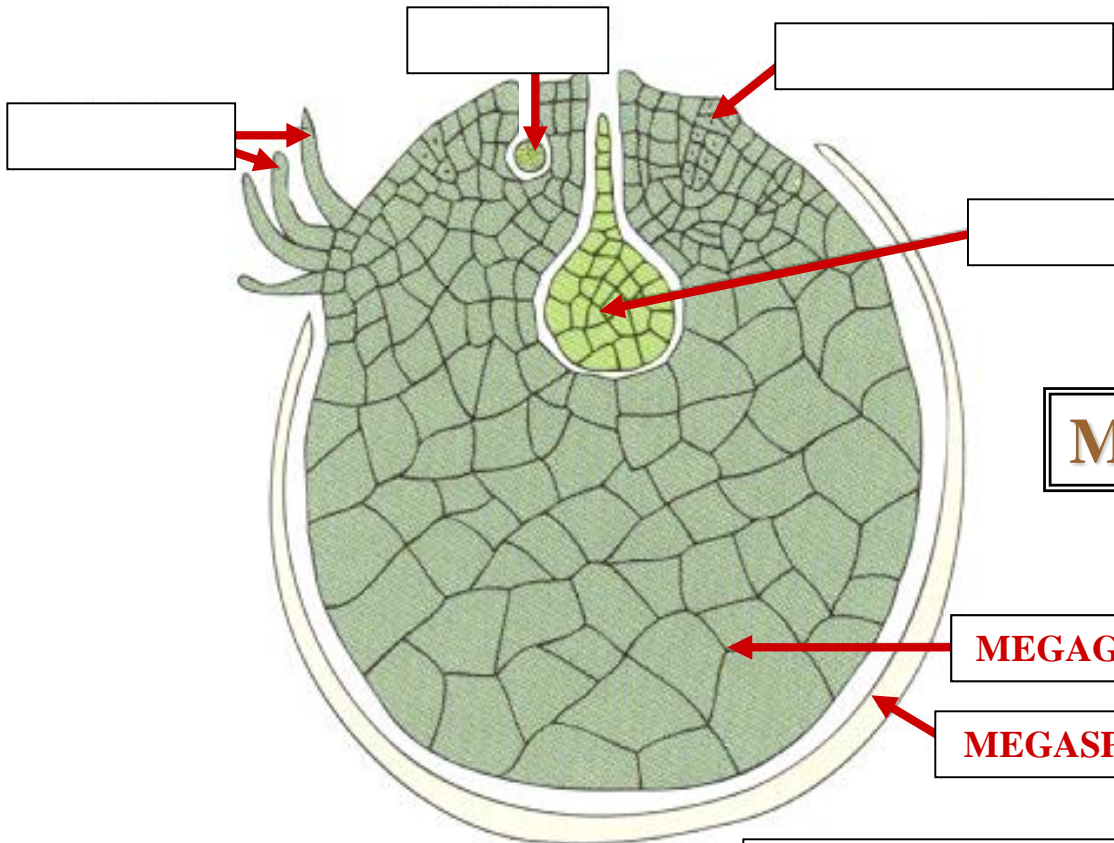
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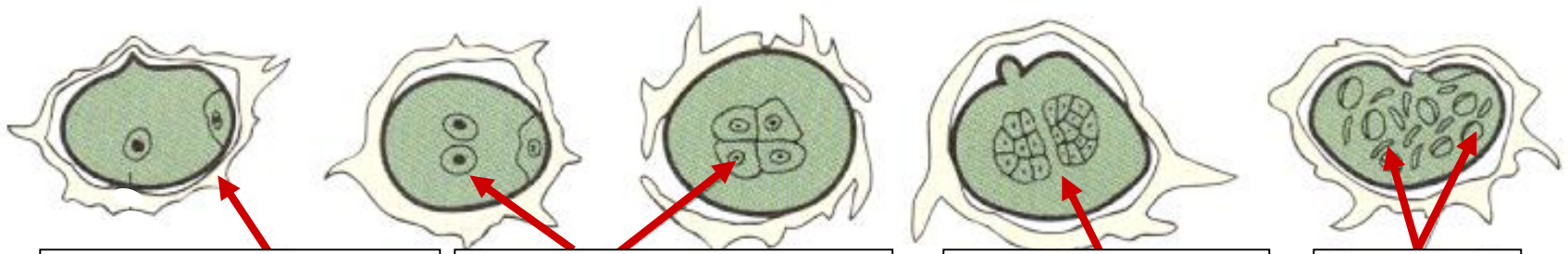
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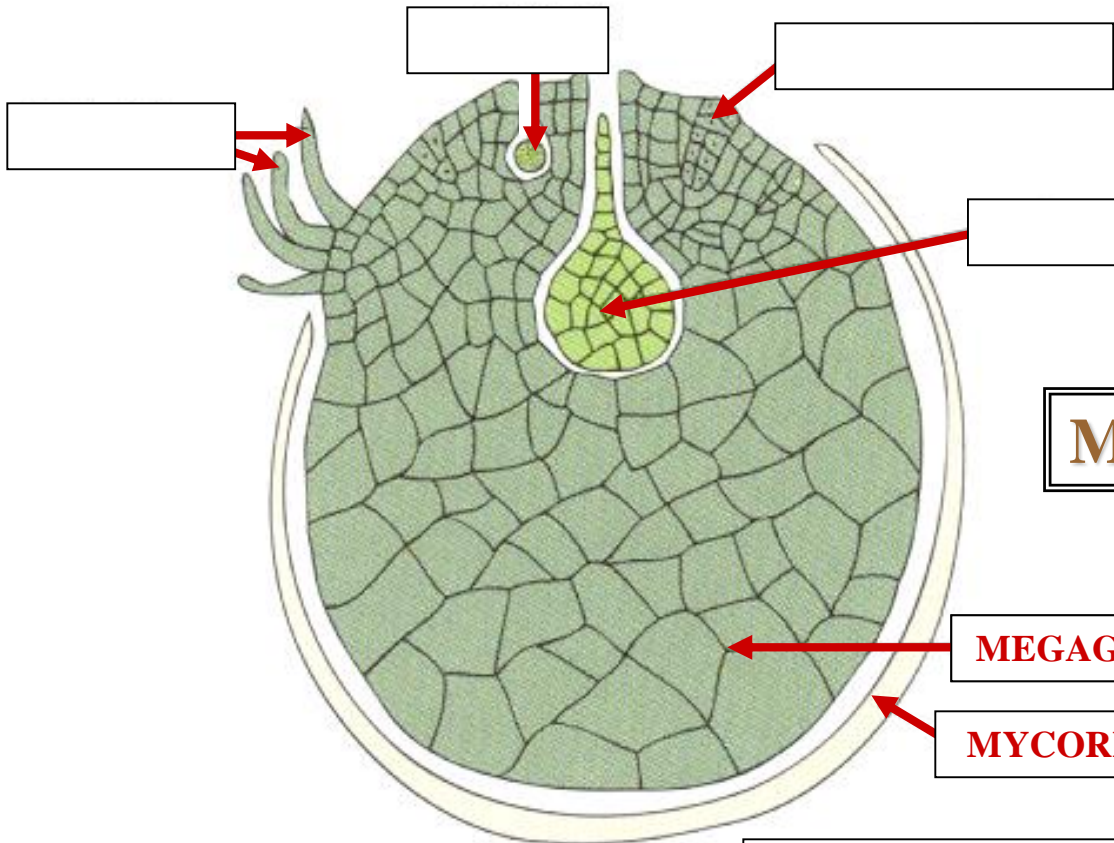
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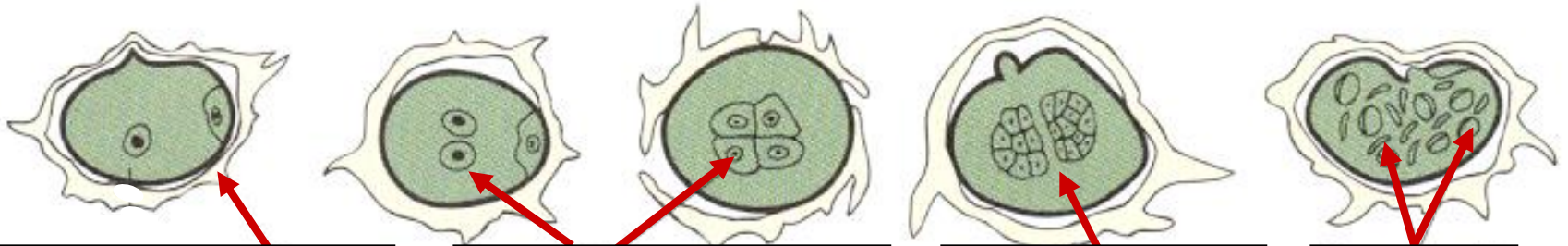
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MICROSPORE

GAMETOPHYTE

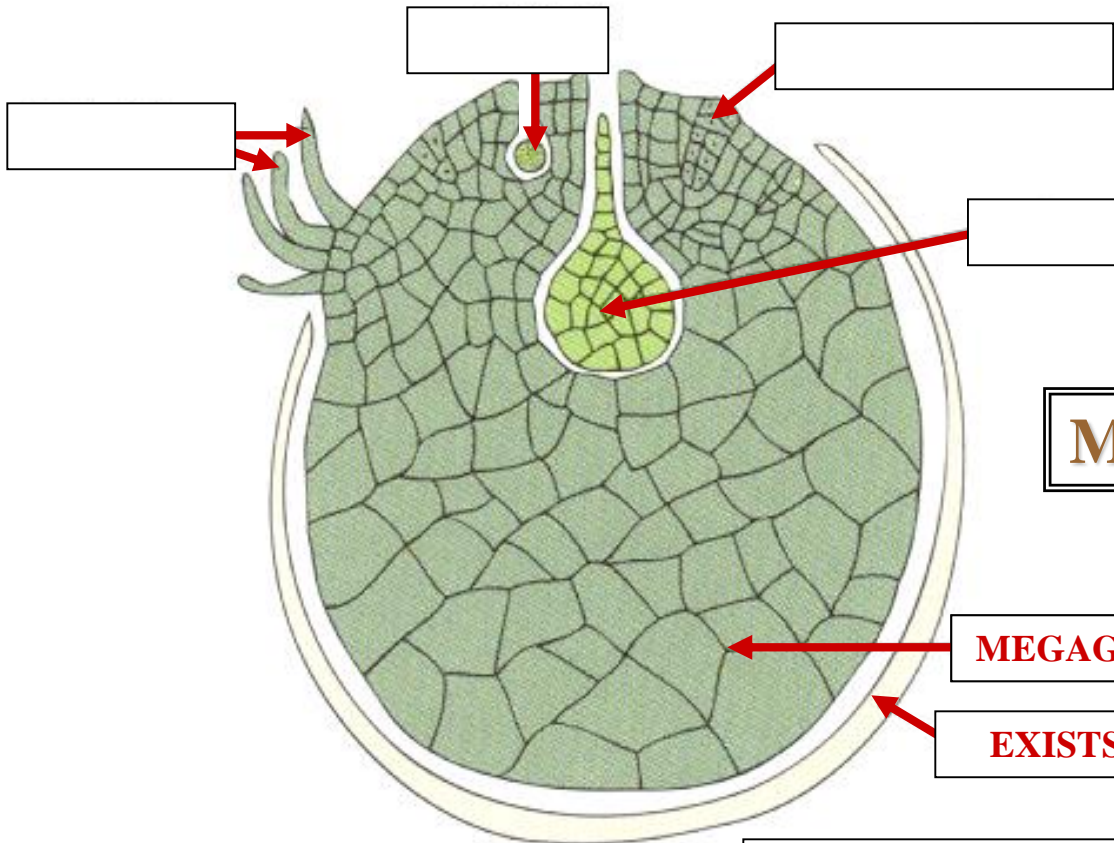


MYCORRHIZAE ABSENT

MICROGAMETOPHYTE

SELAGINELLA

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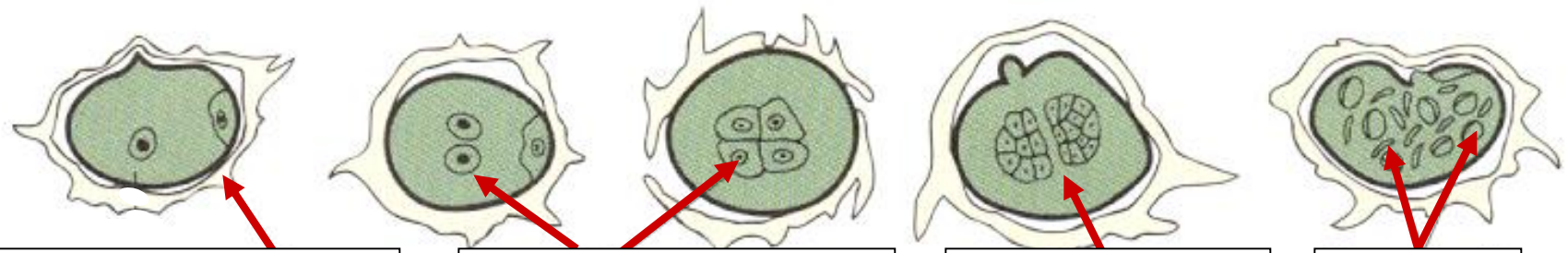
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MEGAGAMETOPHYTE

EXISTS ON RESERVES

MICROSPORE

GAMETOPHYTE

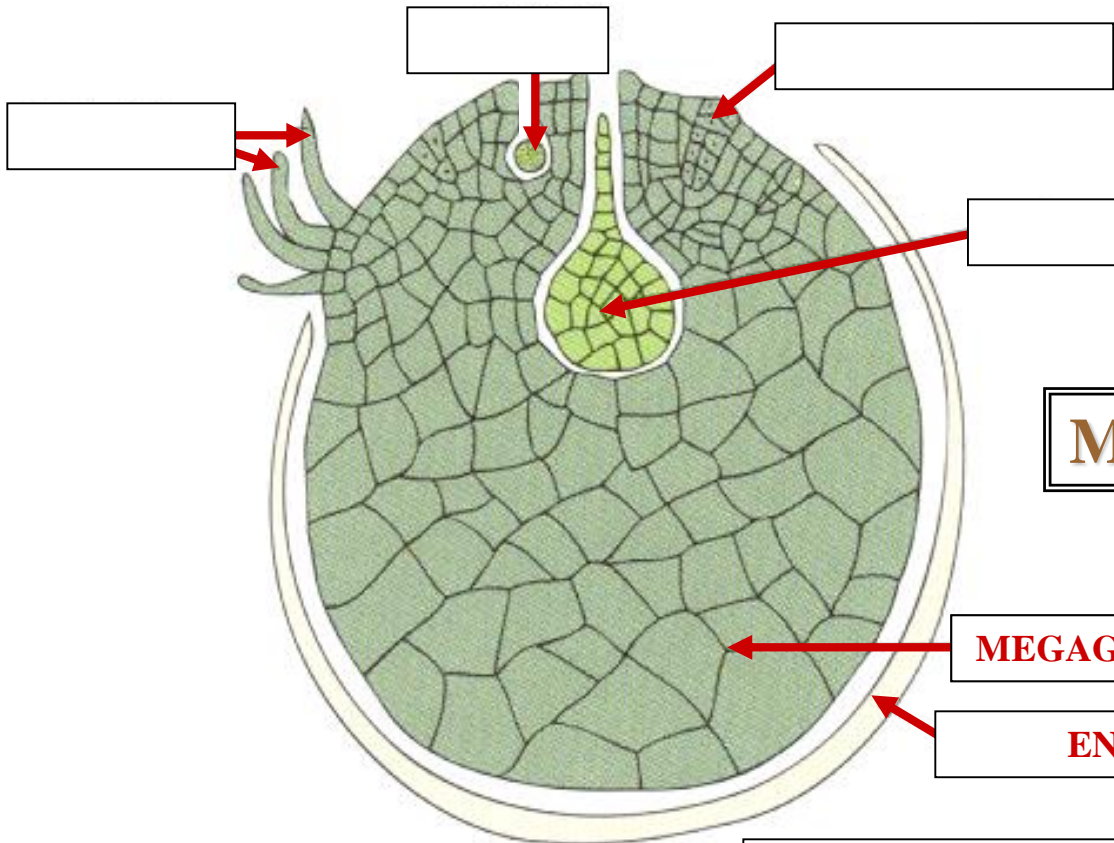


EXISTS ON RESERVES

MICROGAMETOPHYTE

SELAGINELLA

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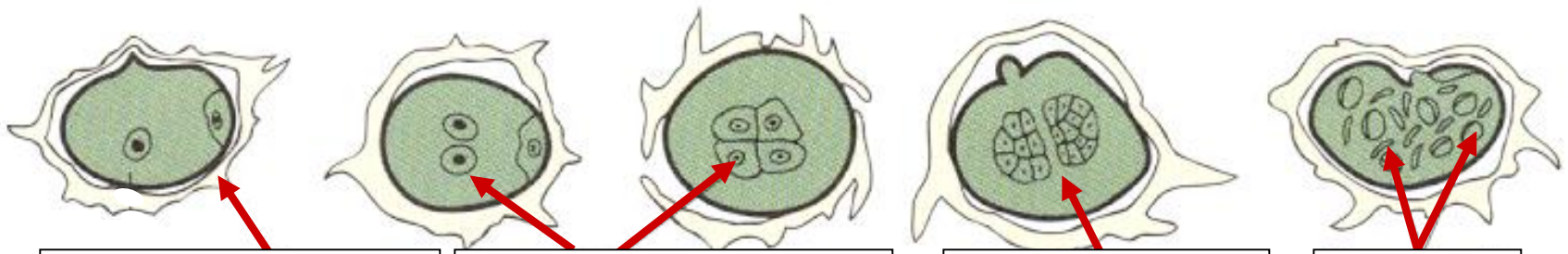
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ENDOSPORIC

MICROSPORE

GAMETOPHYTE



ENDOSPORIC

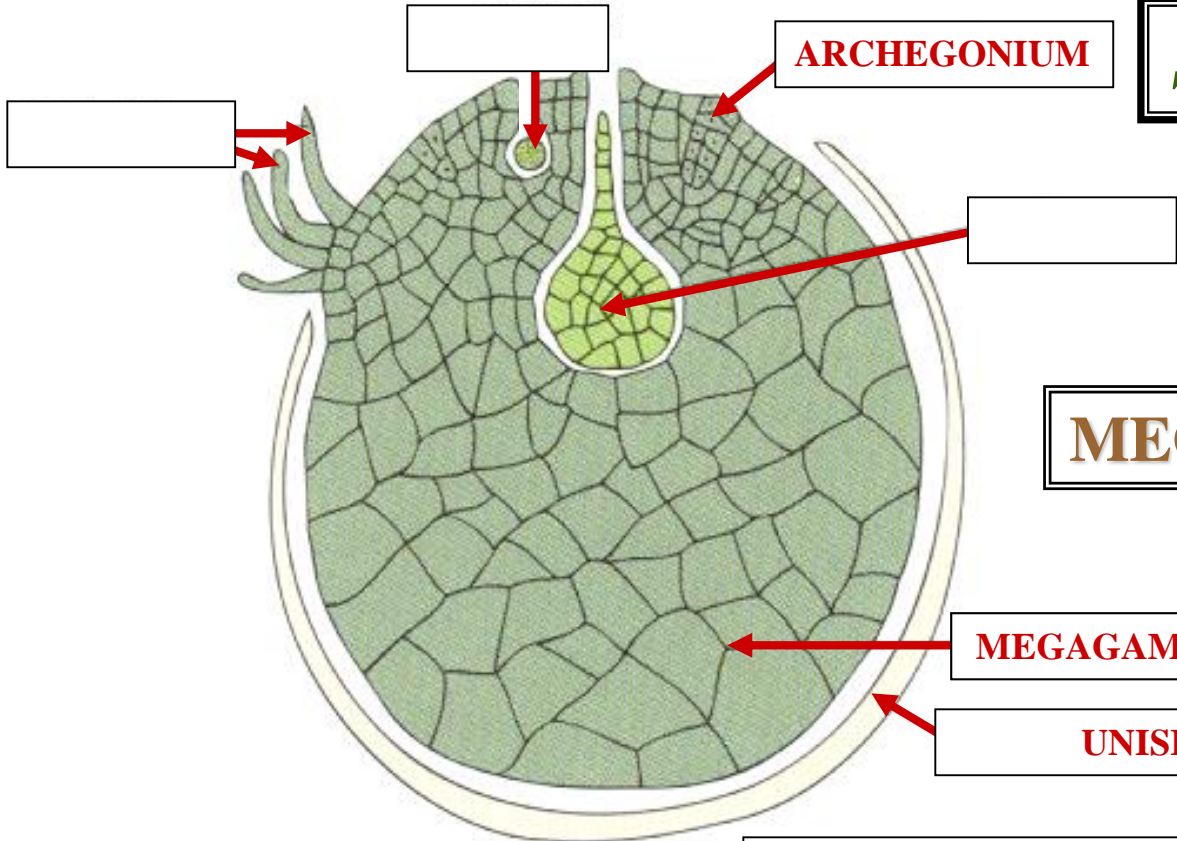
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ARCHEGONIUM

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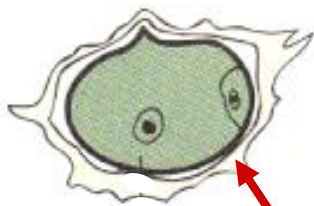
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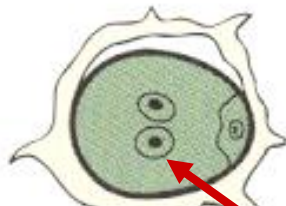
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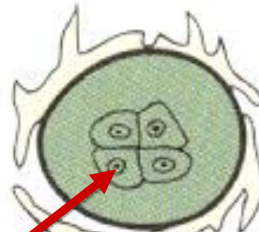
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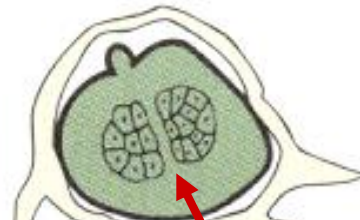
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MICROGAMETOPHYTE



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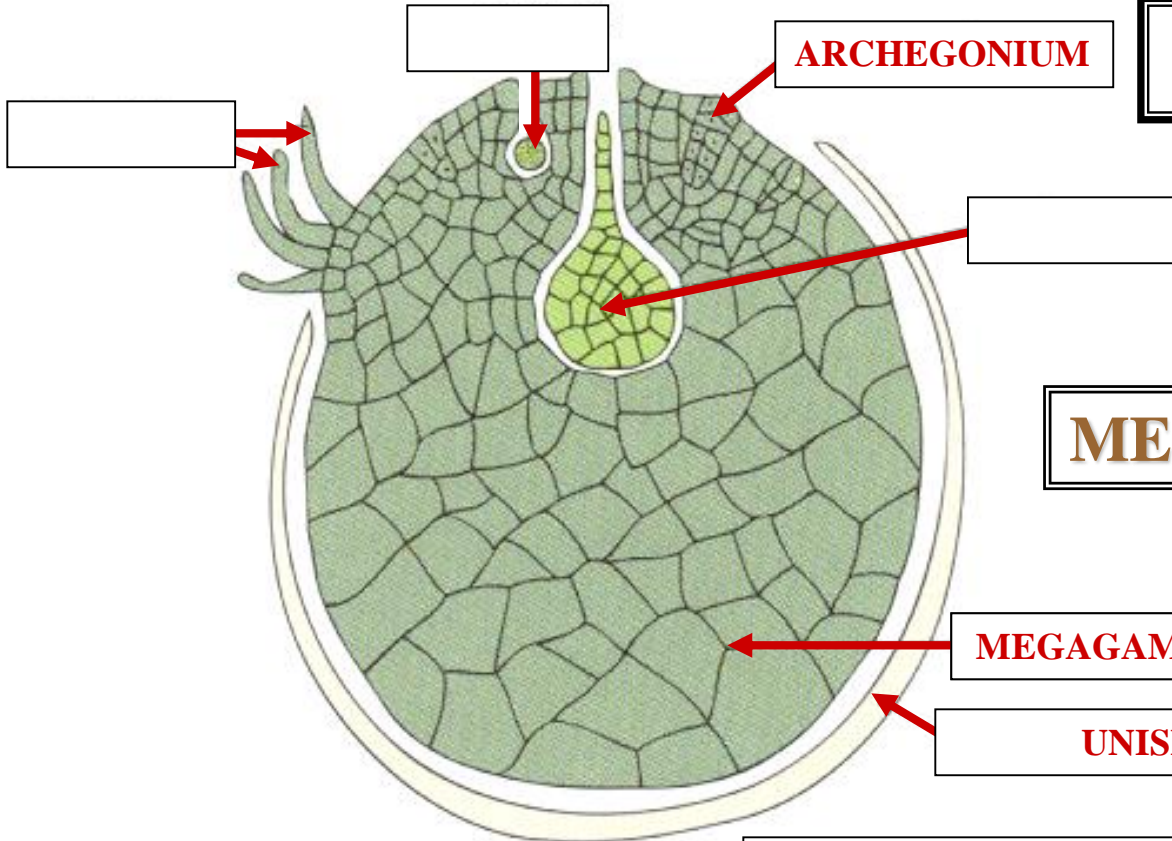


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ARCHEGONIUM

R

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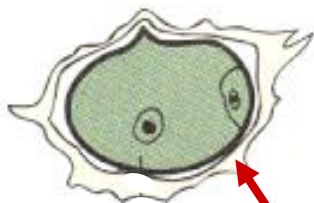
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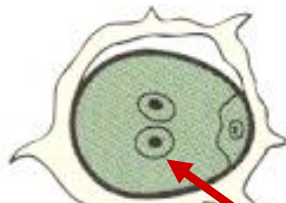
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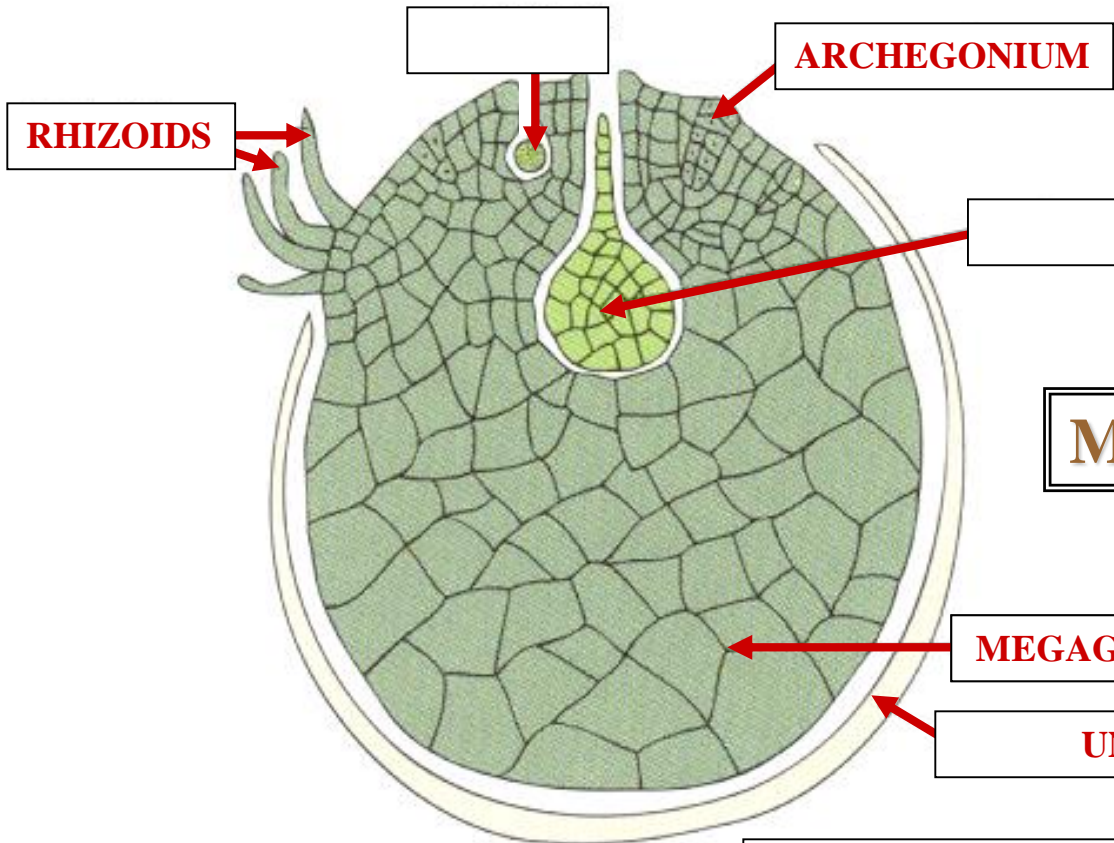


ABSENT



SELAGINELLA

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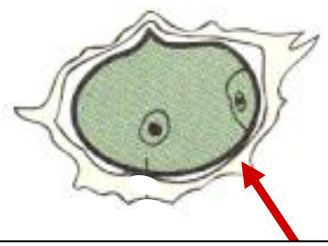
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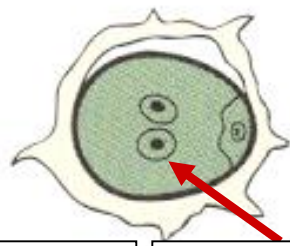
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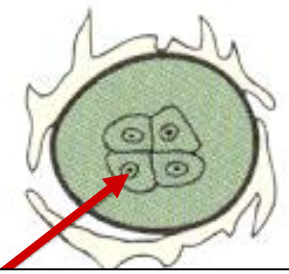
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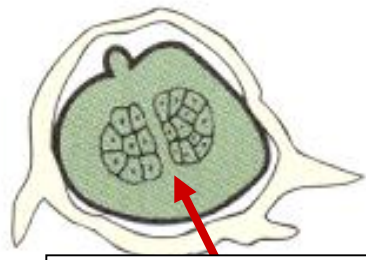
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MICROGAMETOPHYTE



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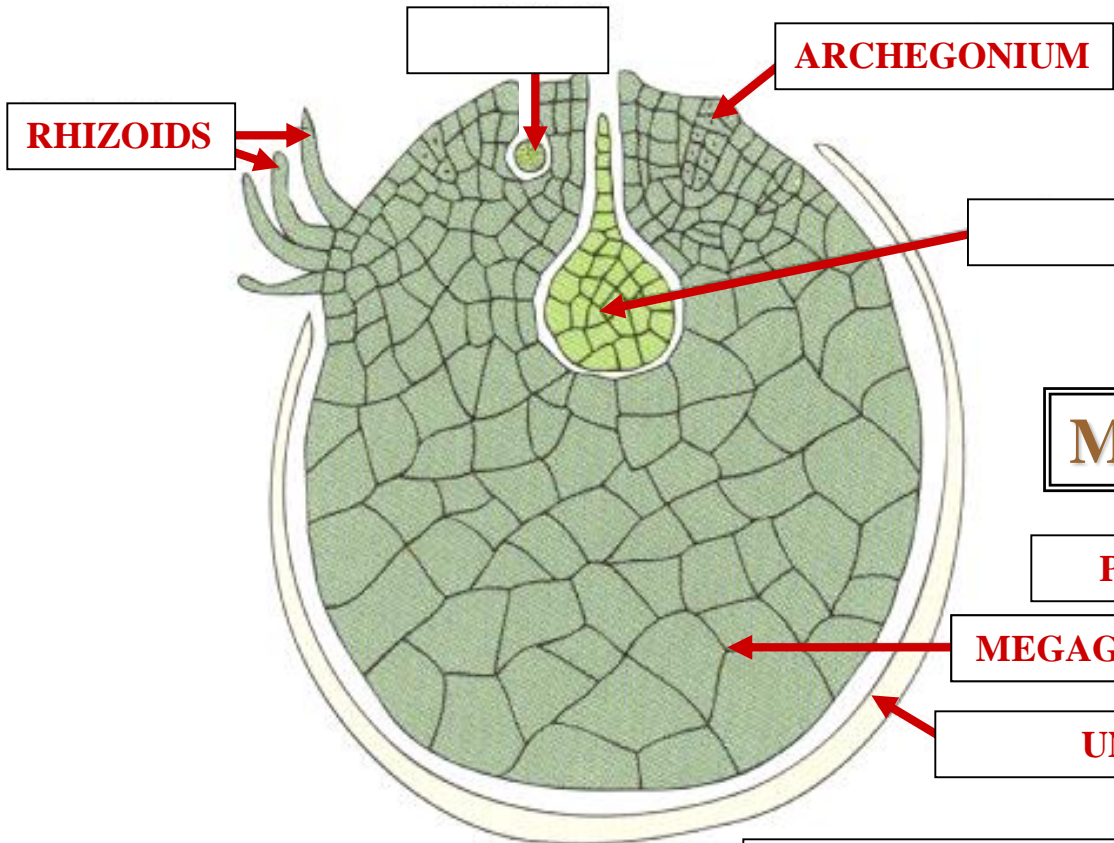


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MEGASPORE

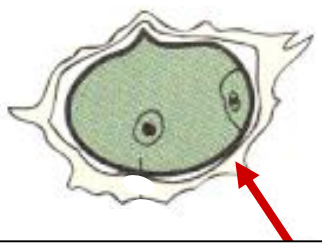
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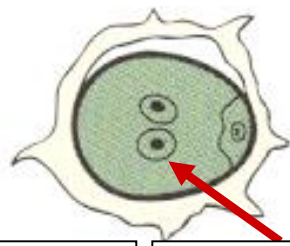
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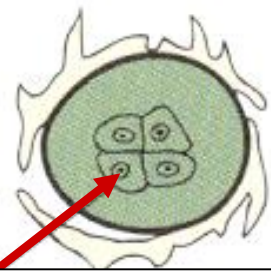
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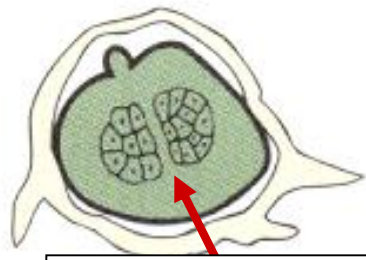
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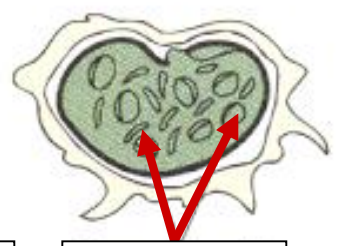
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ABSENT



ABSENT



PRECOCIOUS

MEGAGAMETOPHYTE

SELAGINELLA

PRECOCIOUS MEGAGAMETOPHYTE

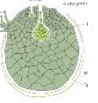


**STARTS DEVELOPMENT
WITHIN
MEGASPORANGIUM**

SELAGINELLA

PRECOCIOUS MEGAGAMETOPHYTE

SELAGINELLA



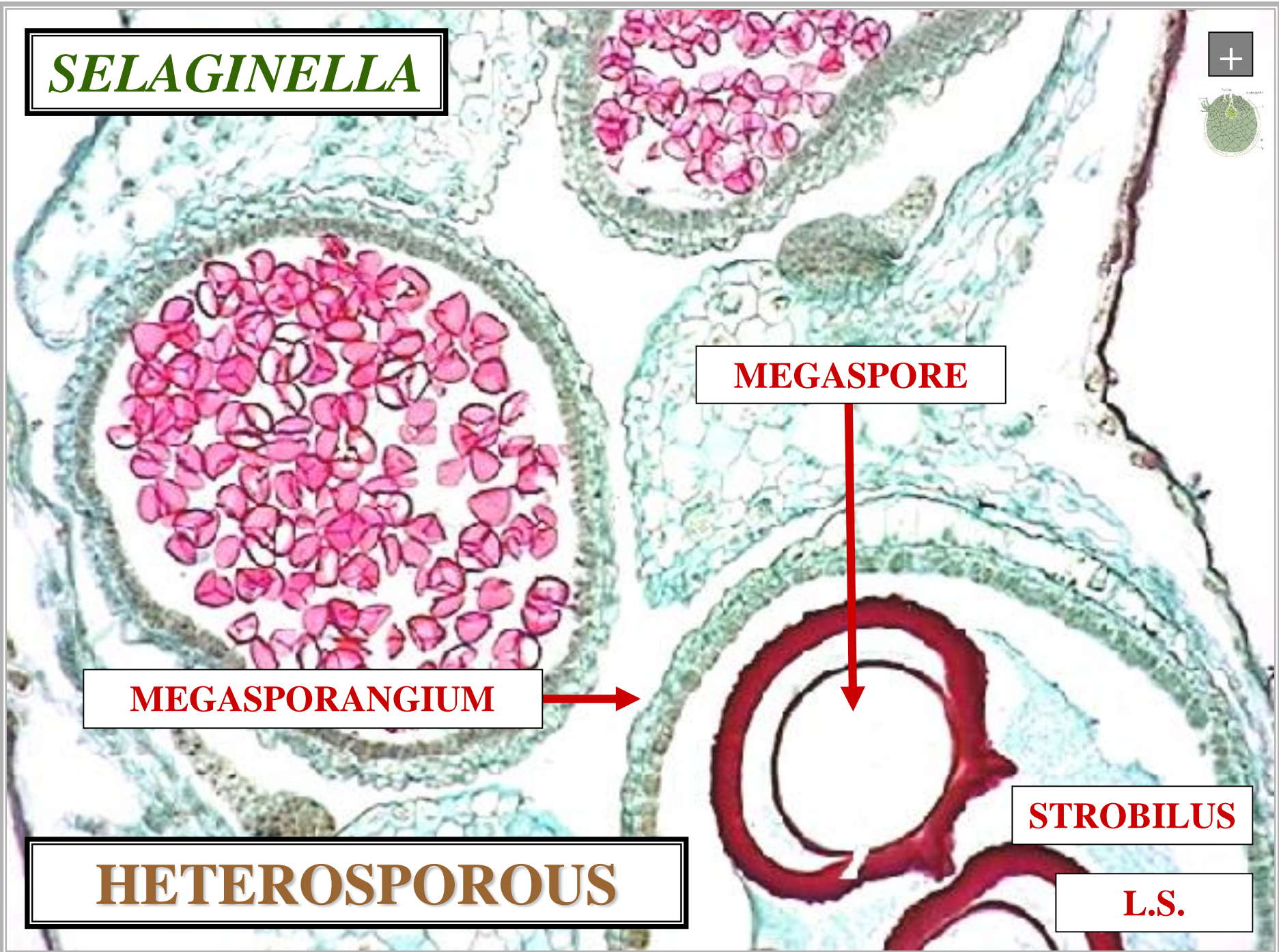
MEGASPORE

MEGASPORANGIUM

STROBILUS

HETEROSPOROUS

L.S.



SELAGINELLA

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PR

MEGASPORE

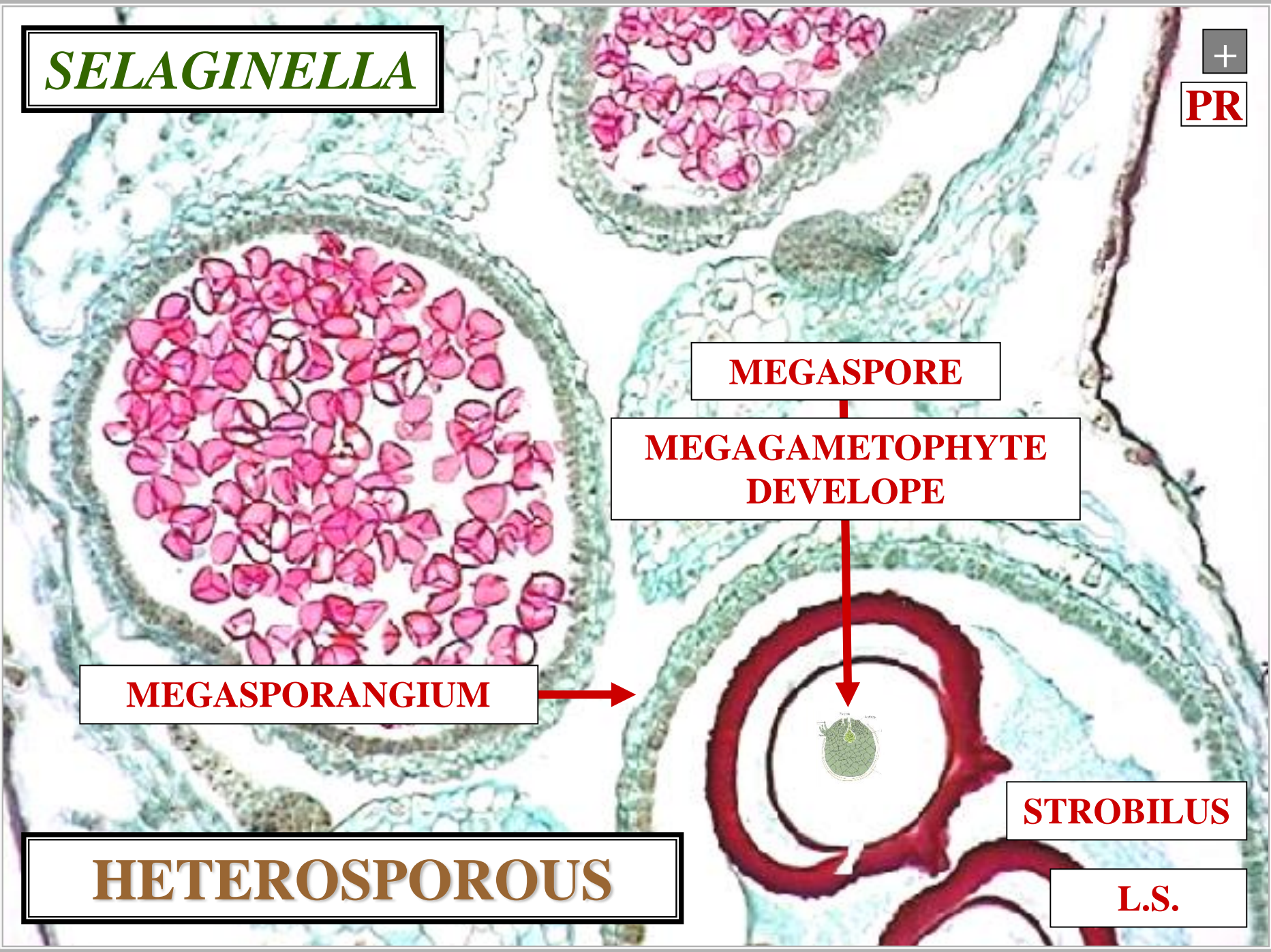
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DEVELOPE

MEGASPORANGIUM

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SELAGINELLA



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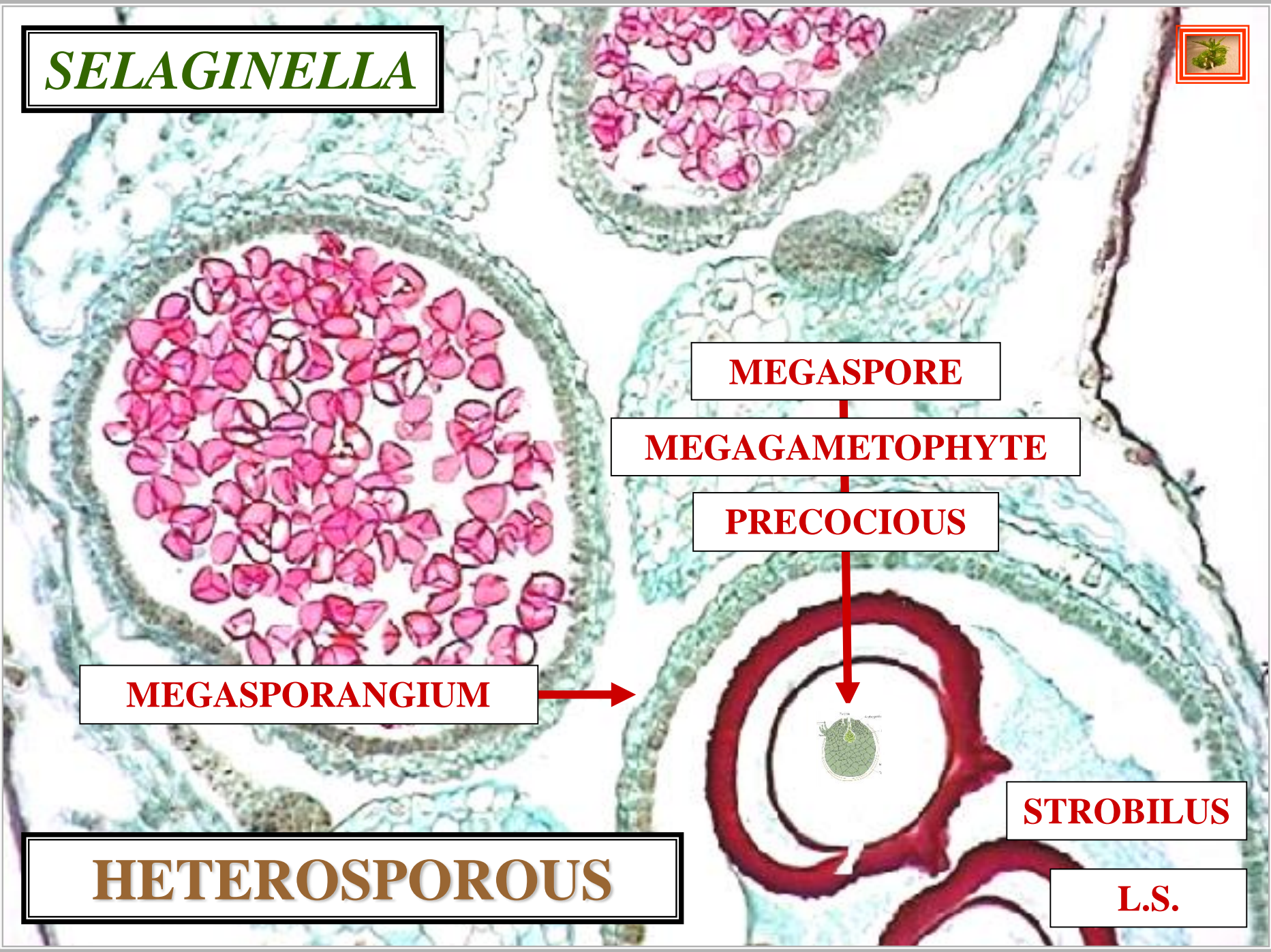
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MEGASPORANGIUM

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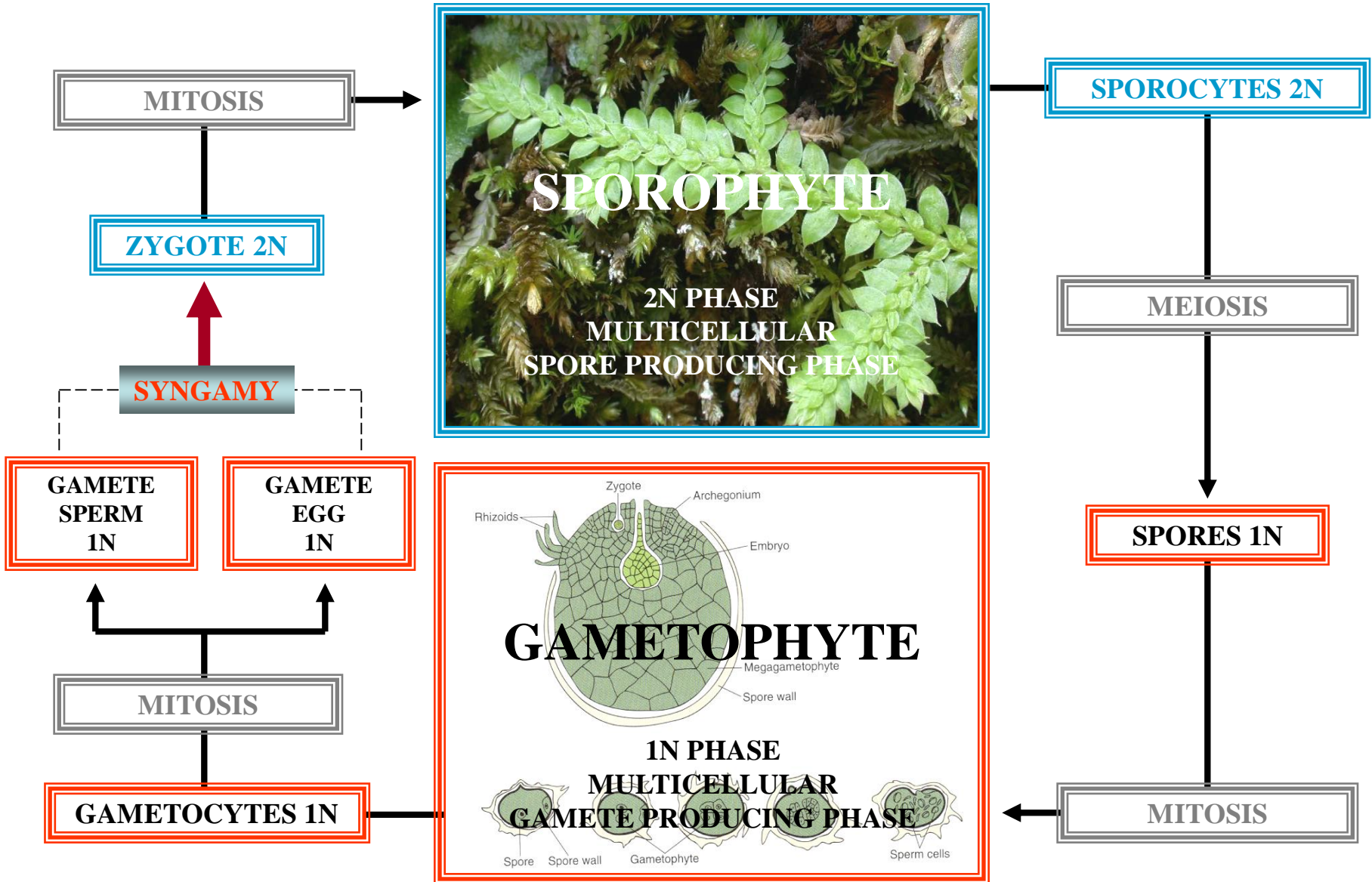
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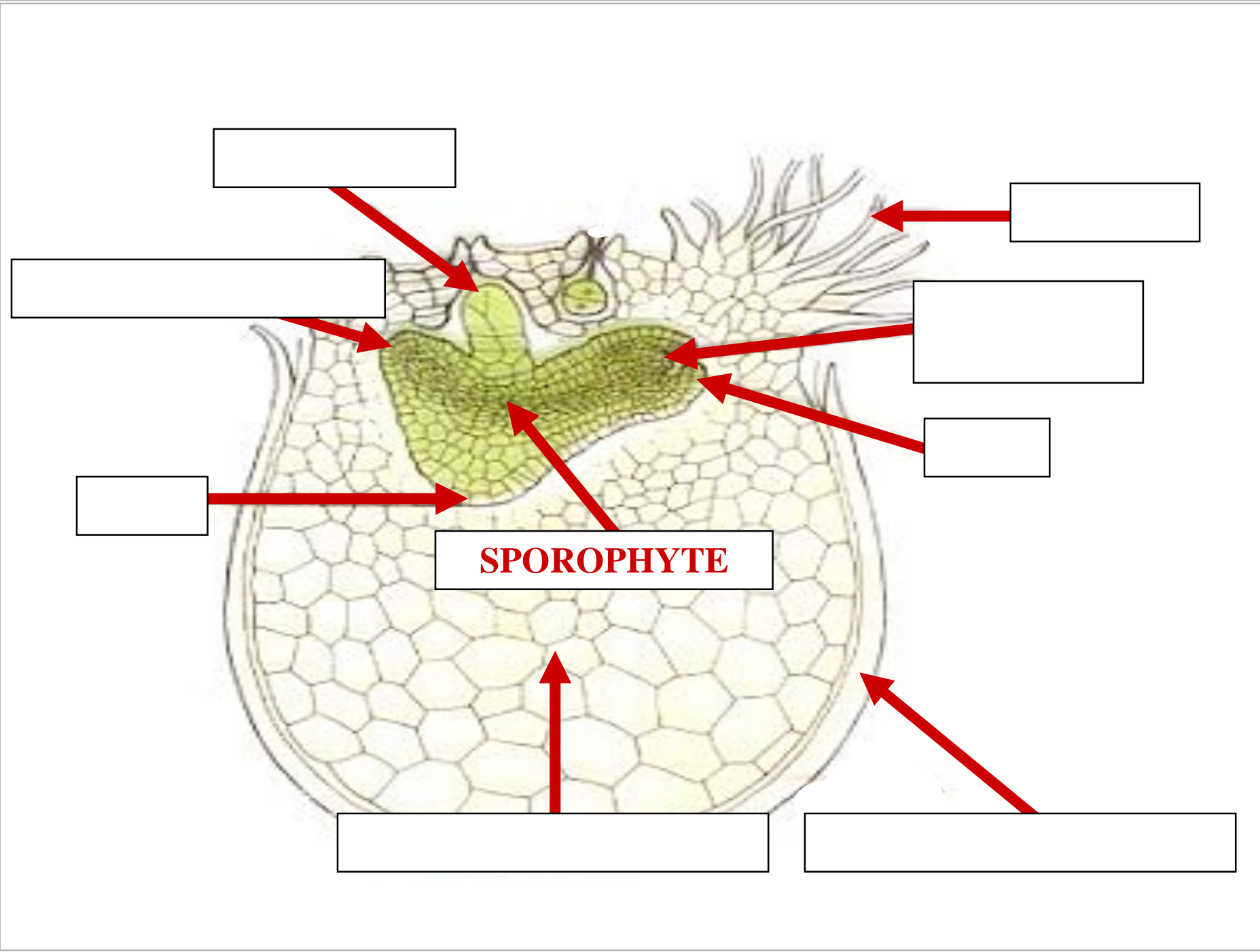
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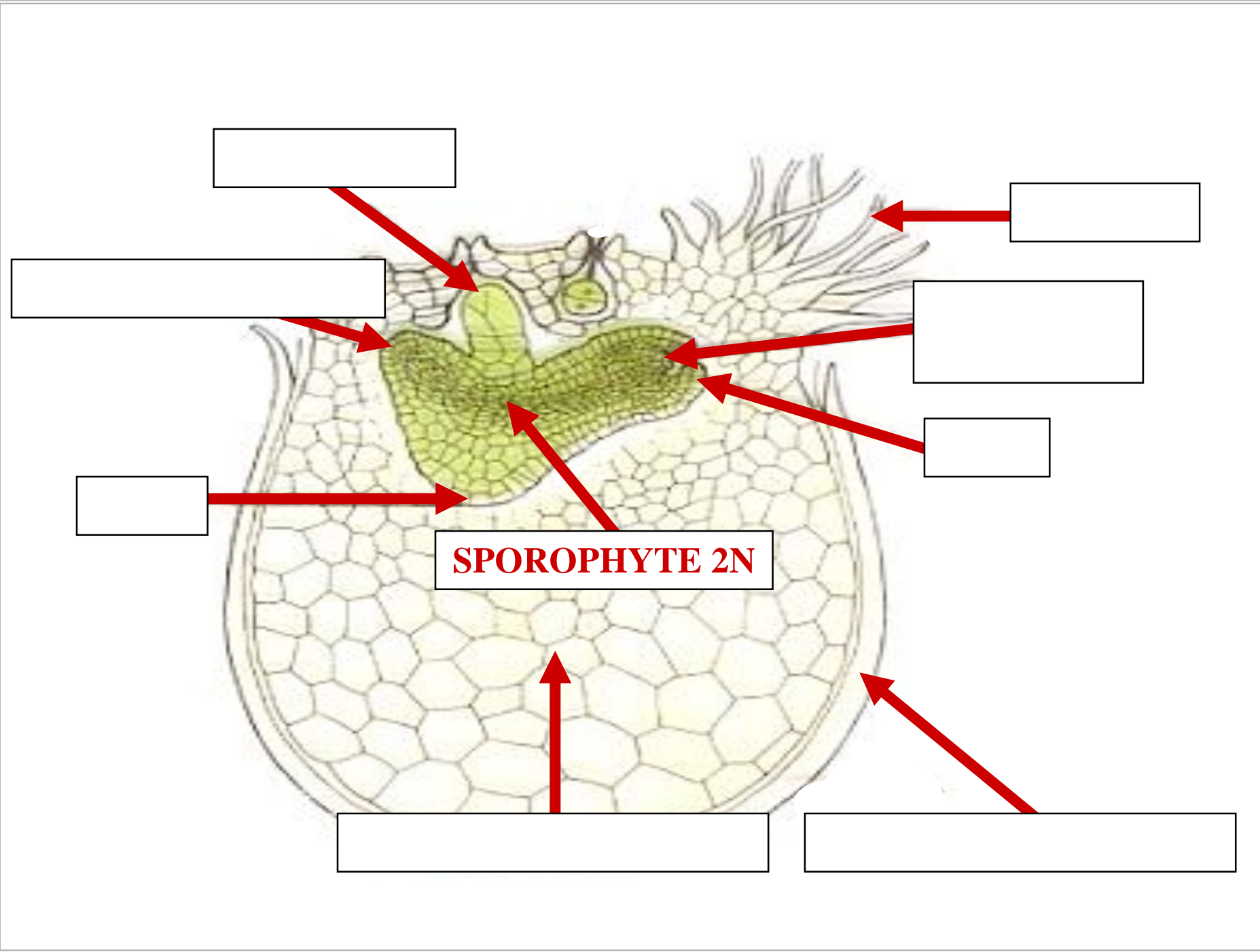


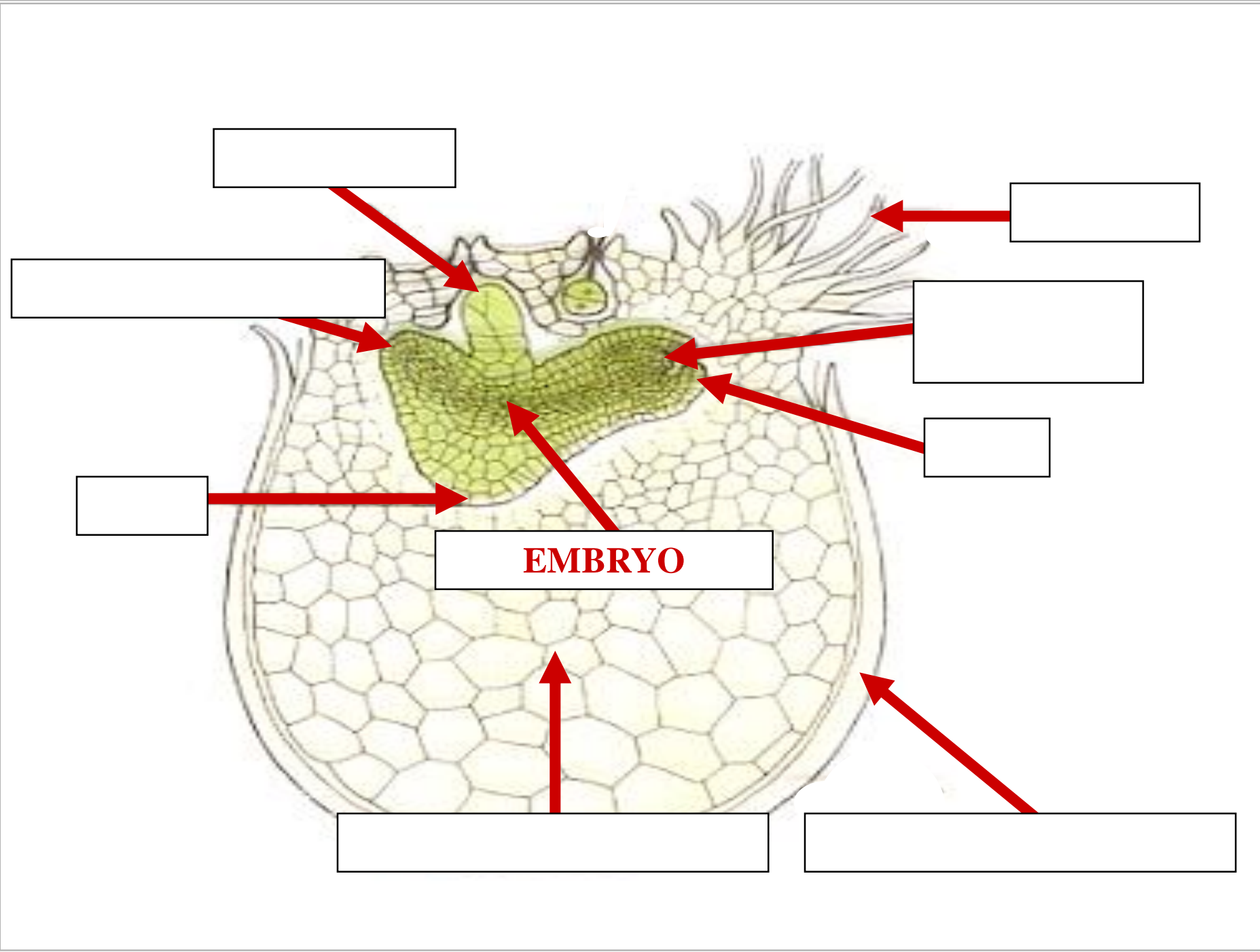


REPRODUCTION

SELAGINELLA
LIFE CYCLE

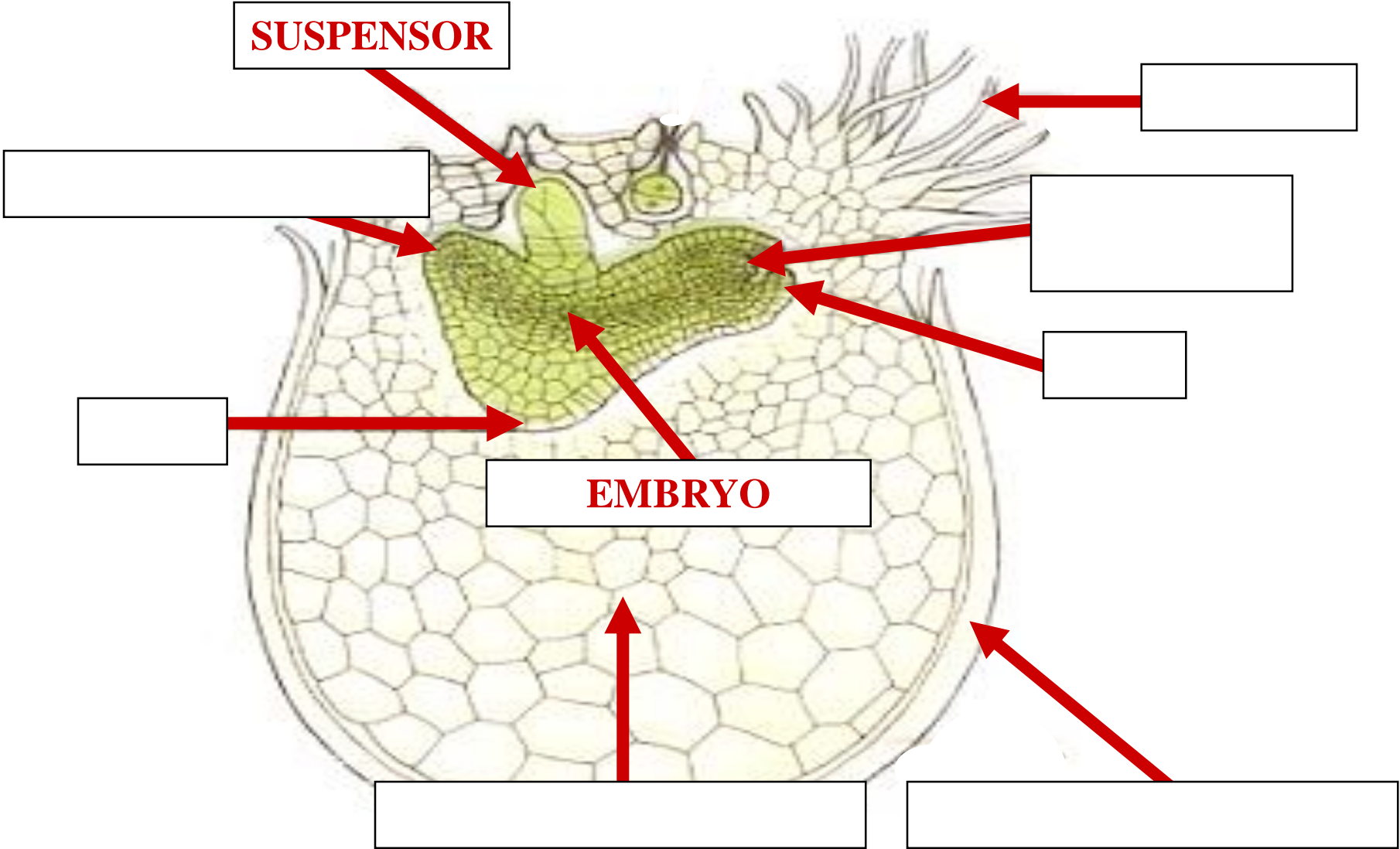






SUSPENSOR

EMBRYO



SUSPENSOR

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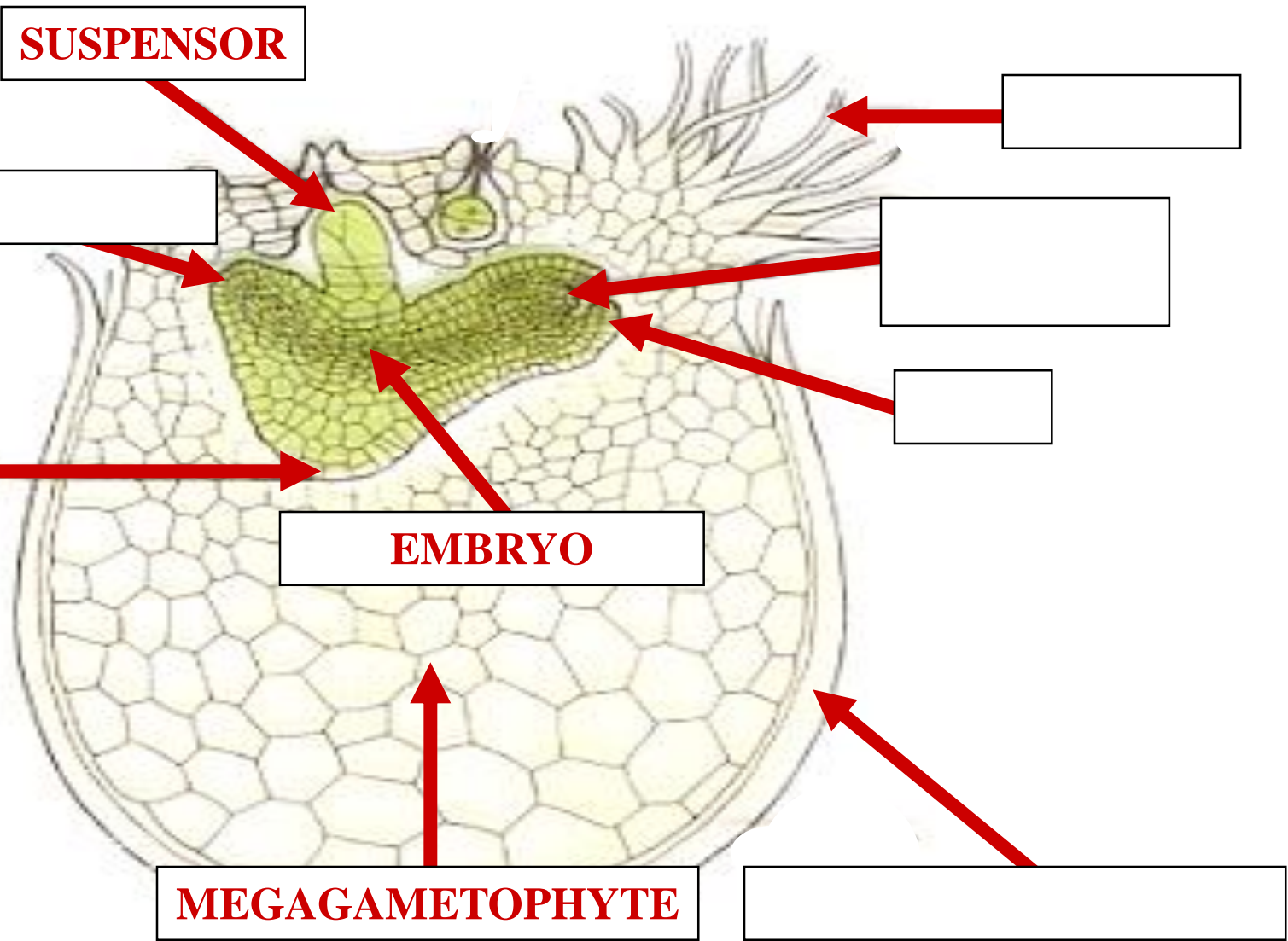
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MEGAGAMETOPHYTE

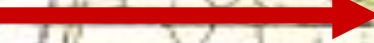
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SUSPENSOR



FOOT



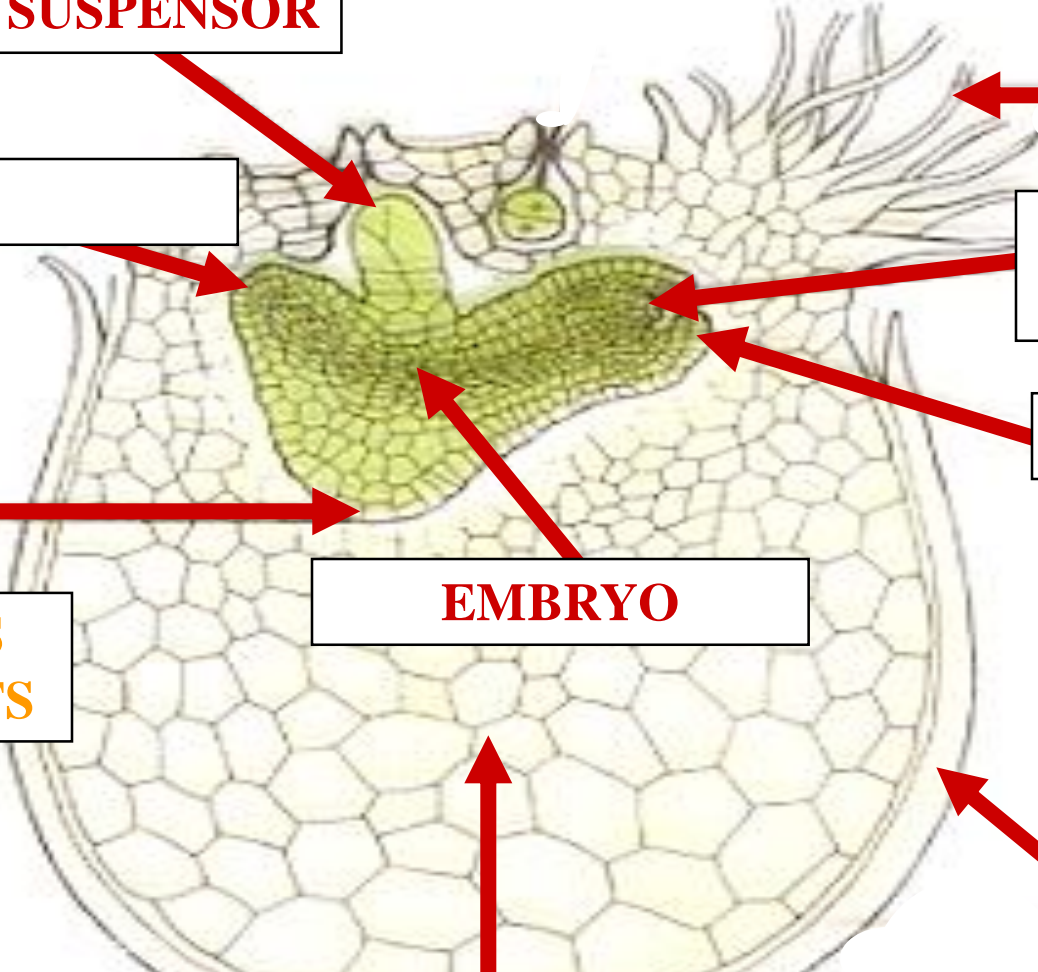
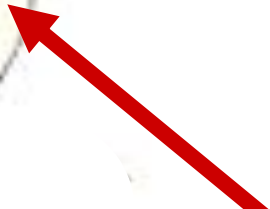
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**ABSORBS
NUTRIENTS**



MEGAGAMETOPHYTE





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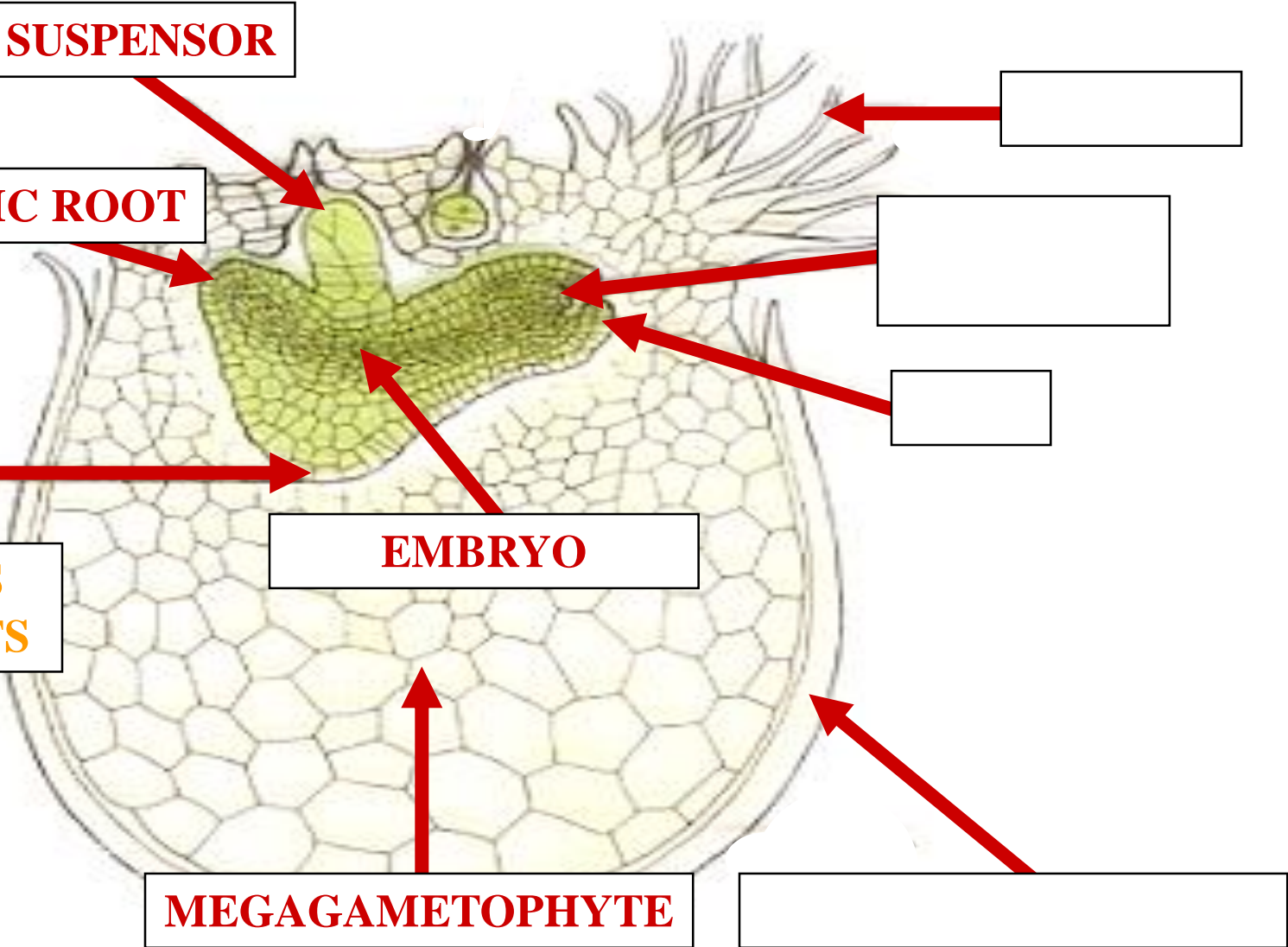
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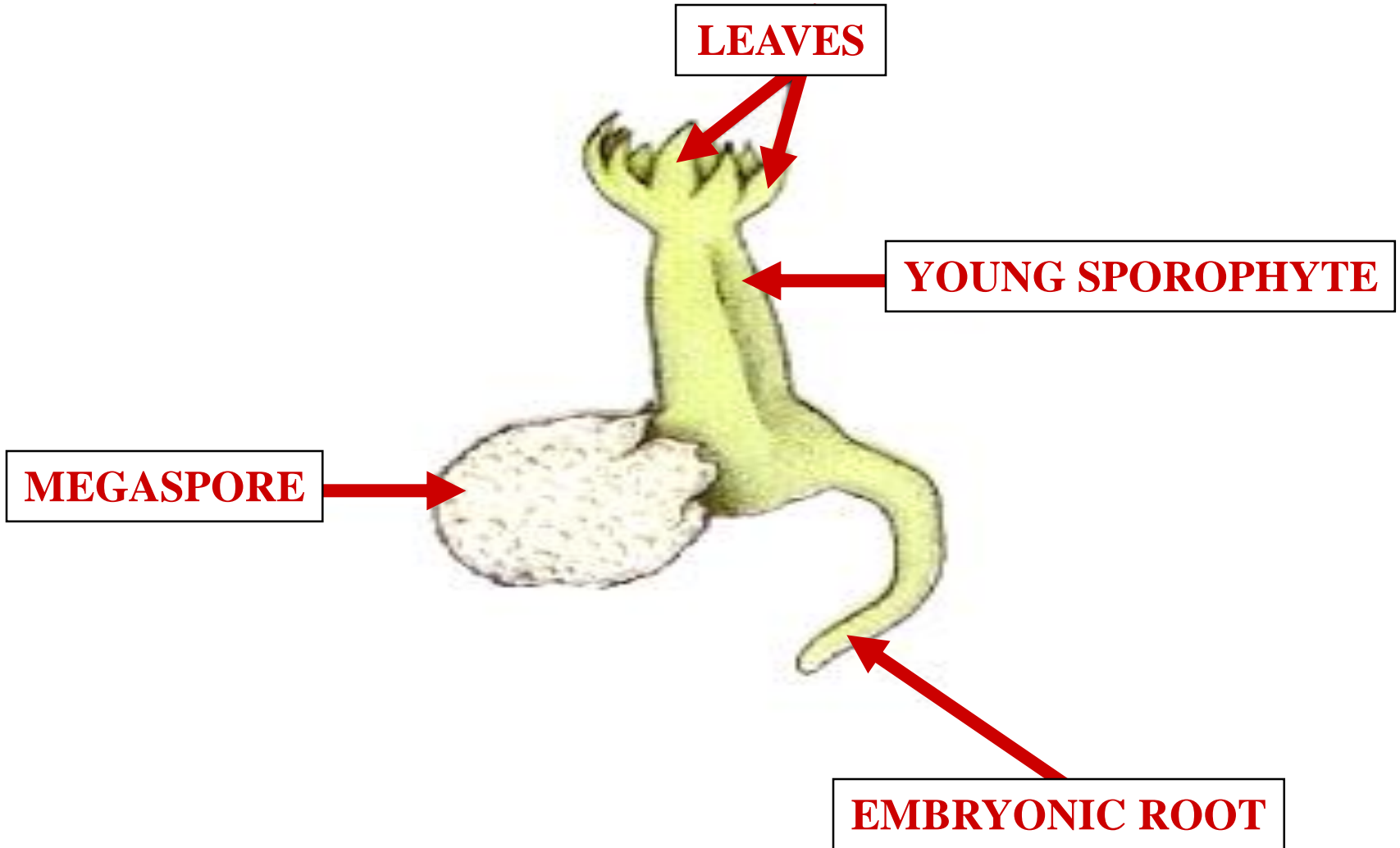
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**ABSORBS
NUTRIENTS**

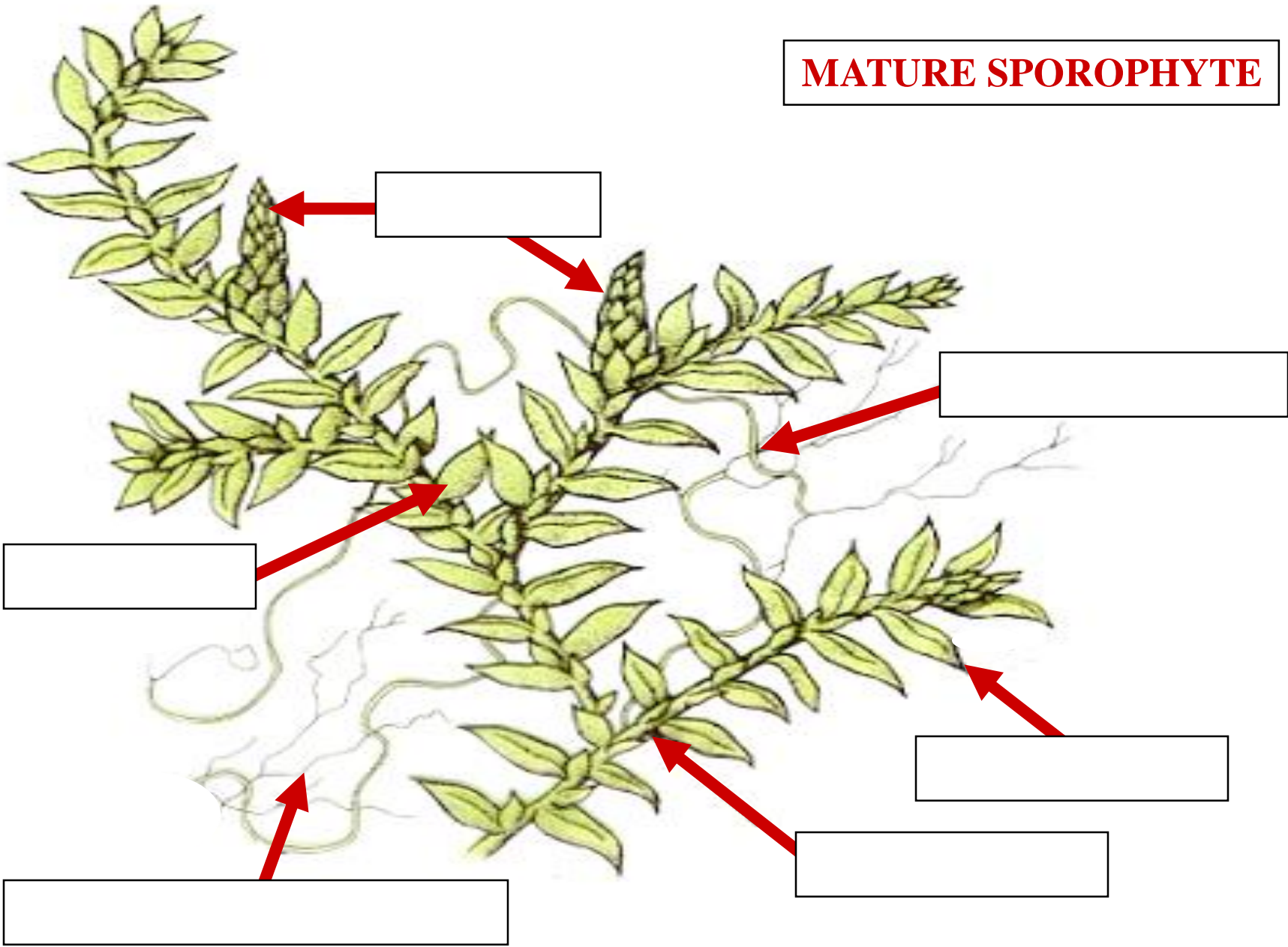
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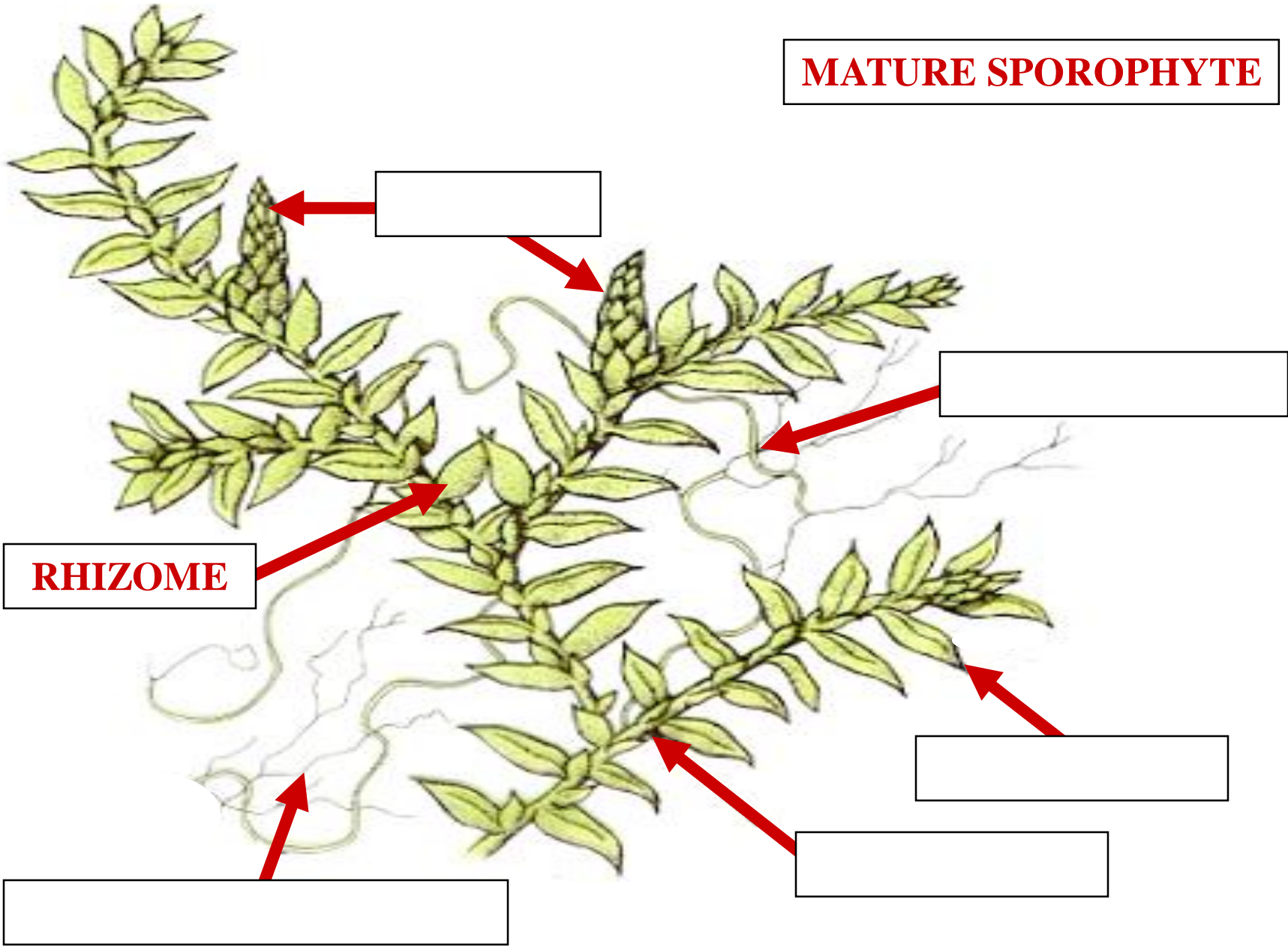




MATURE SPOROPHYTE



MATURE SPOROPHYTE



RHIZOME

MATURE SPOROPHYTE

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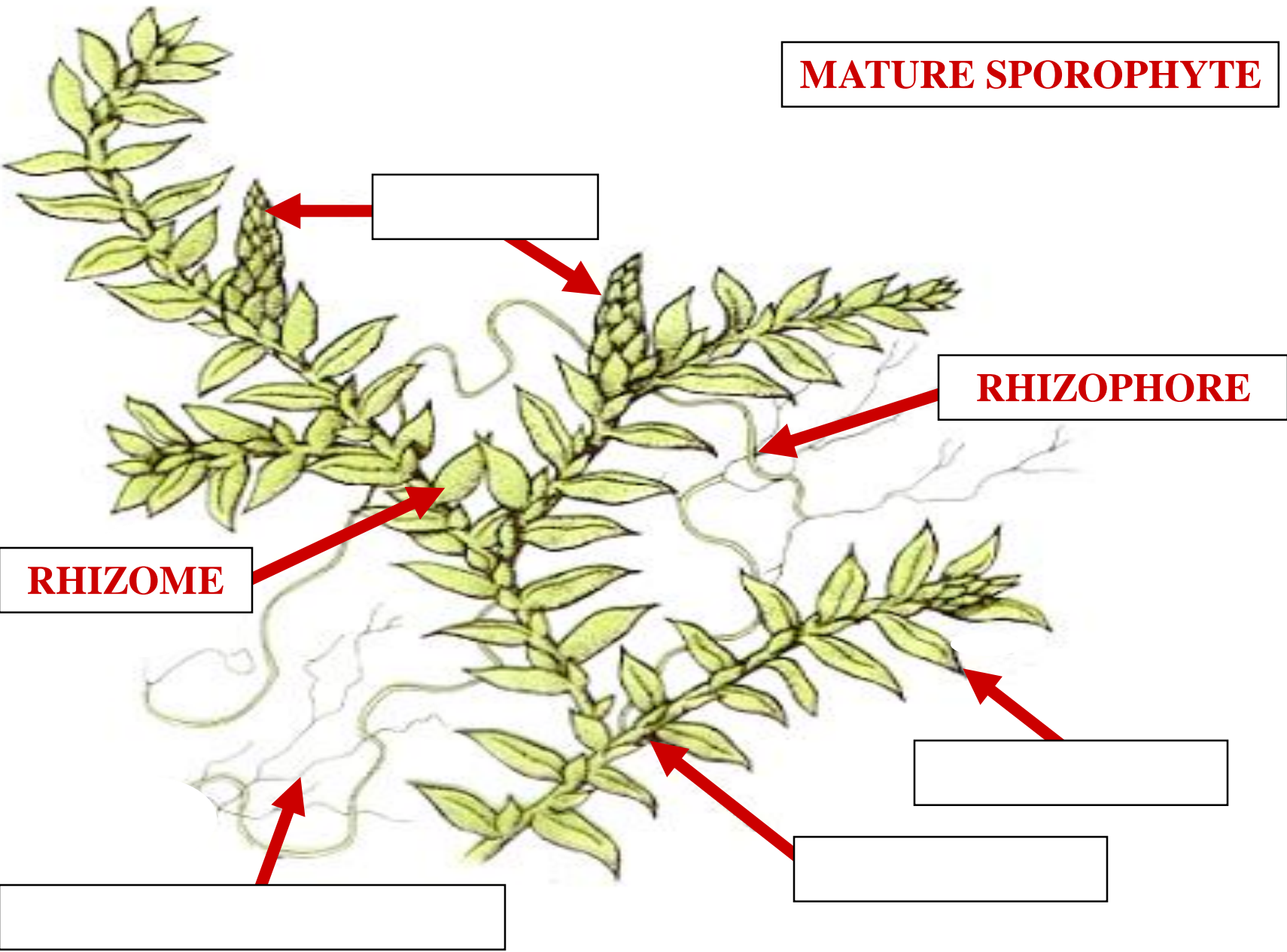
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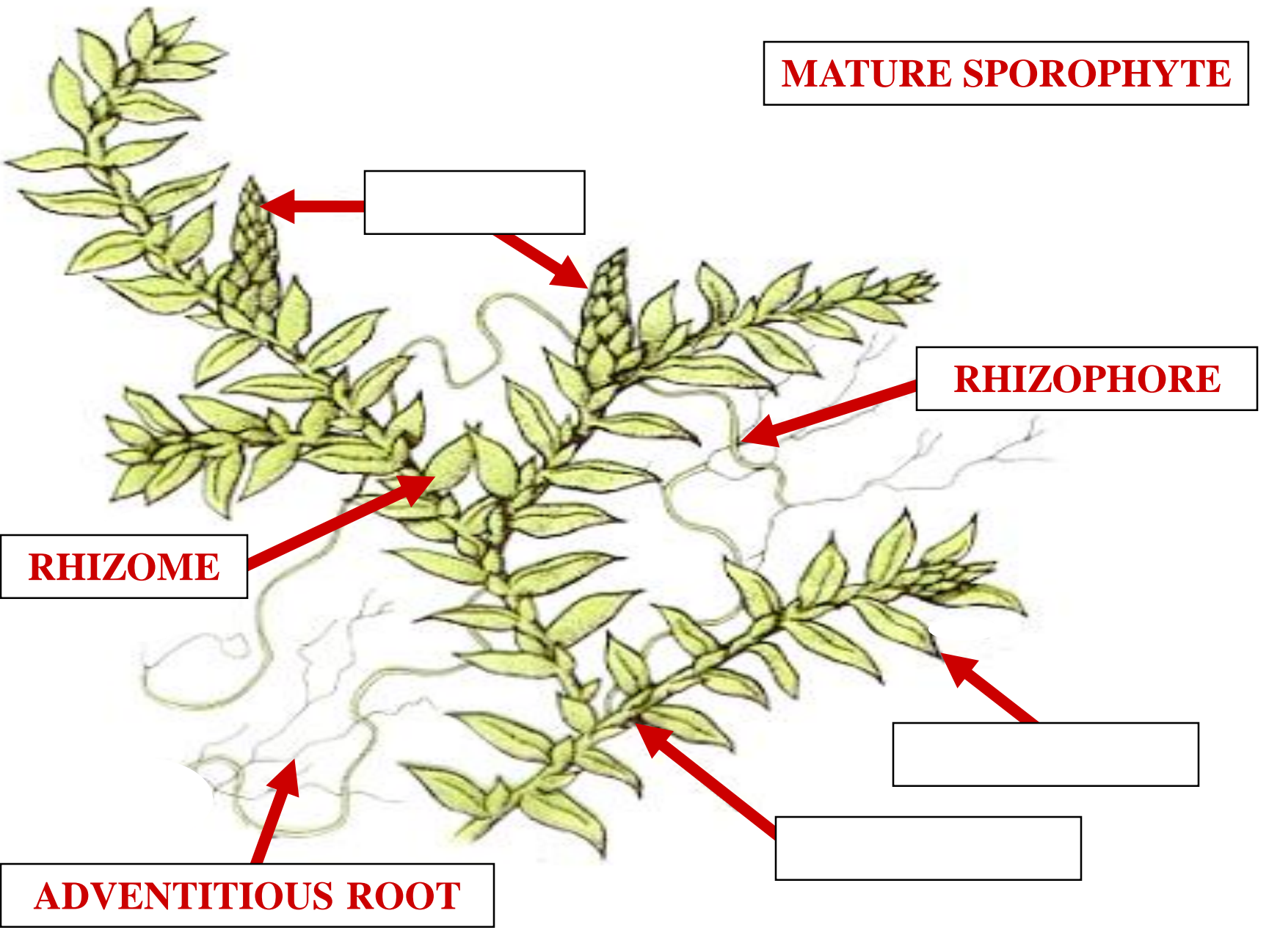
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ADVENTITIOUS ROOT

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MATURE SPOROPHYTE

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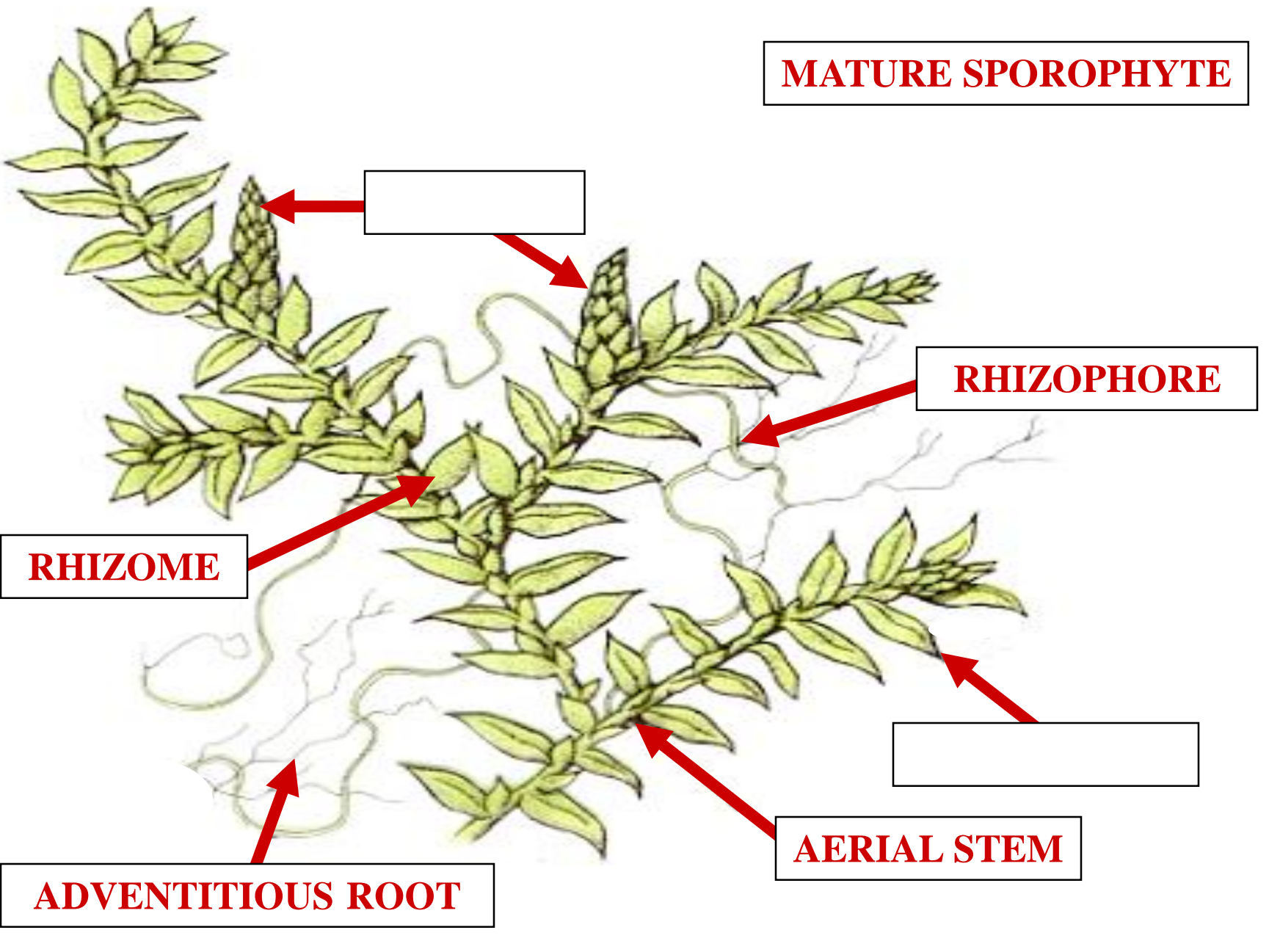
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ADVENTITIOUS ROOT

AERIAL STEM



MATURE SPOROPHYTE

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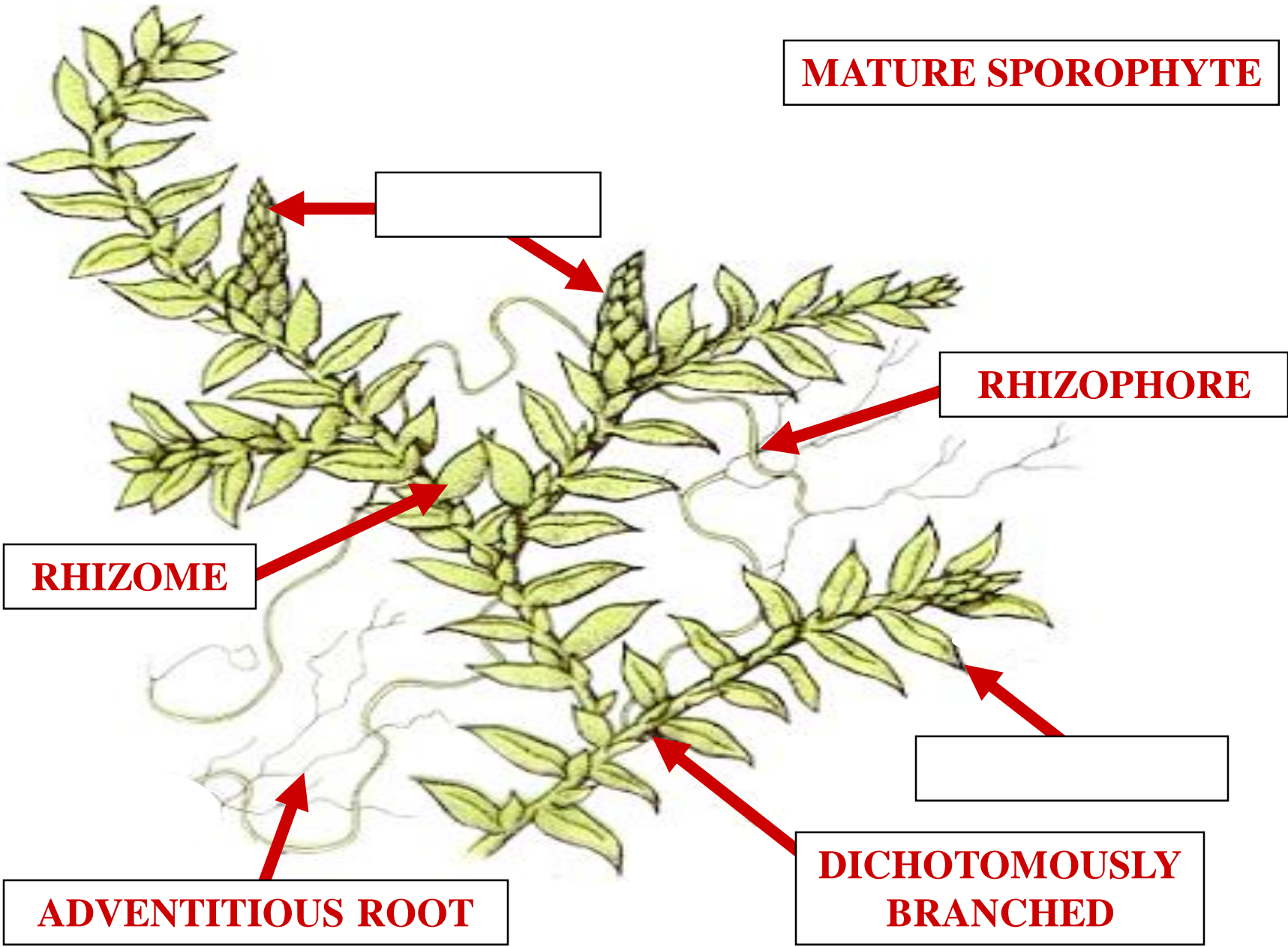
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ADVENTITIOUS ROOT

**DICHOTOMOUSLY
BRANCHED**



MATURE SPOROPHYTE



RHIZOPHORE

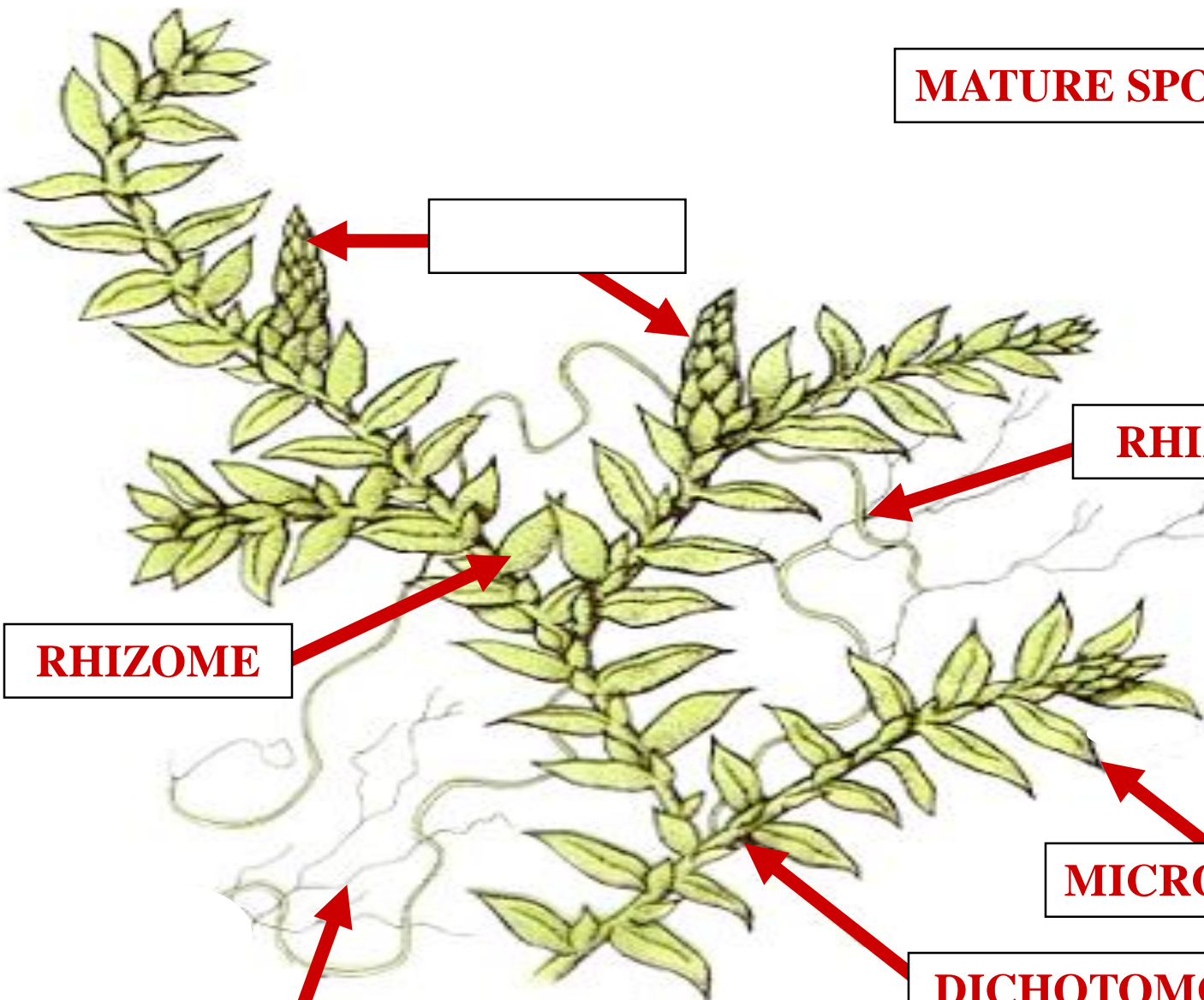
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MICROPHYLL

**DICHOTOMOUSLY
BRANCHED**

ADVENTITIOUS ROOT





MATURE SPOROPHYTE



RHIZOPHORE

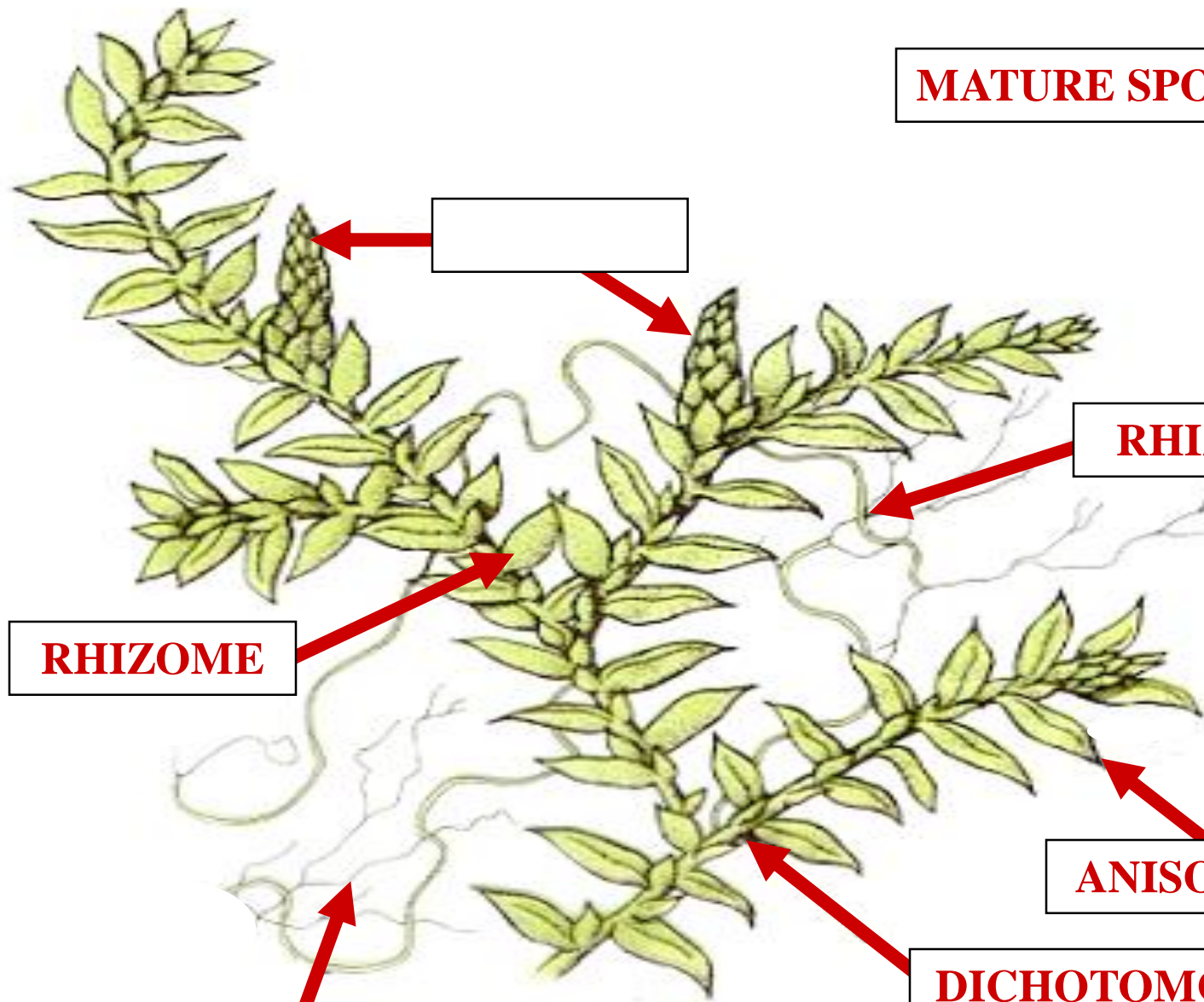
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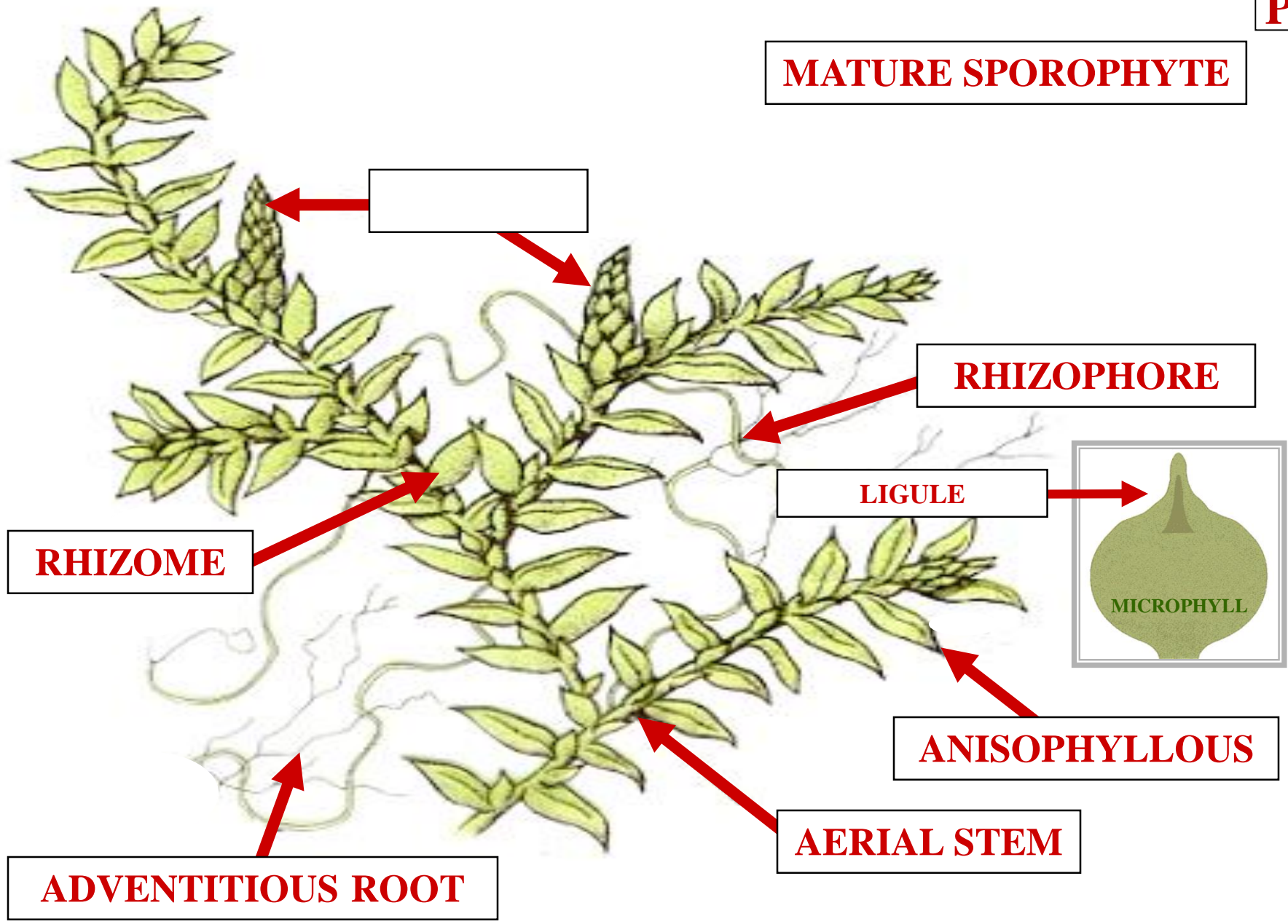
ANISOPHYLLOUS

ADVENTITIOUS ROOT

**DICHOTOMOUSLY
BRANCHED**



MATURE SPOROPHYTE

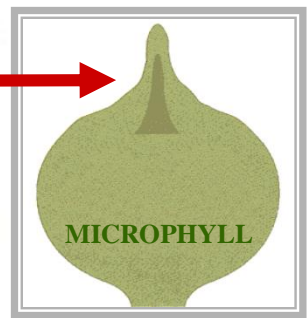


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RHIZOME

LIGULE



ANISOPHYLLOUS

AERIAL STEM

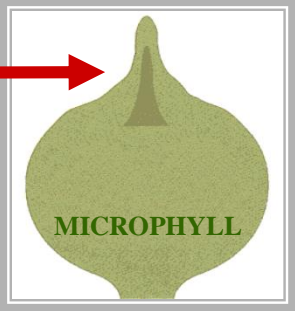
ADVENTITIOUS ROOT

MATURE SPOROPHYTE



RHIZOPHORE

LIGULE PRESENT

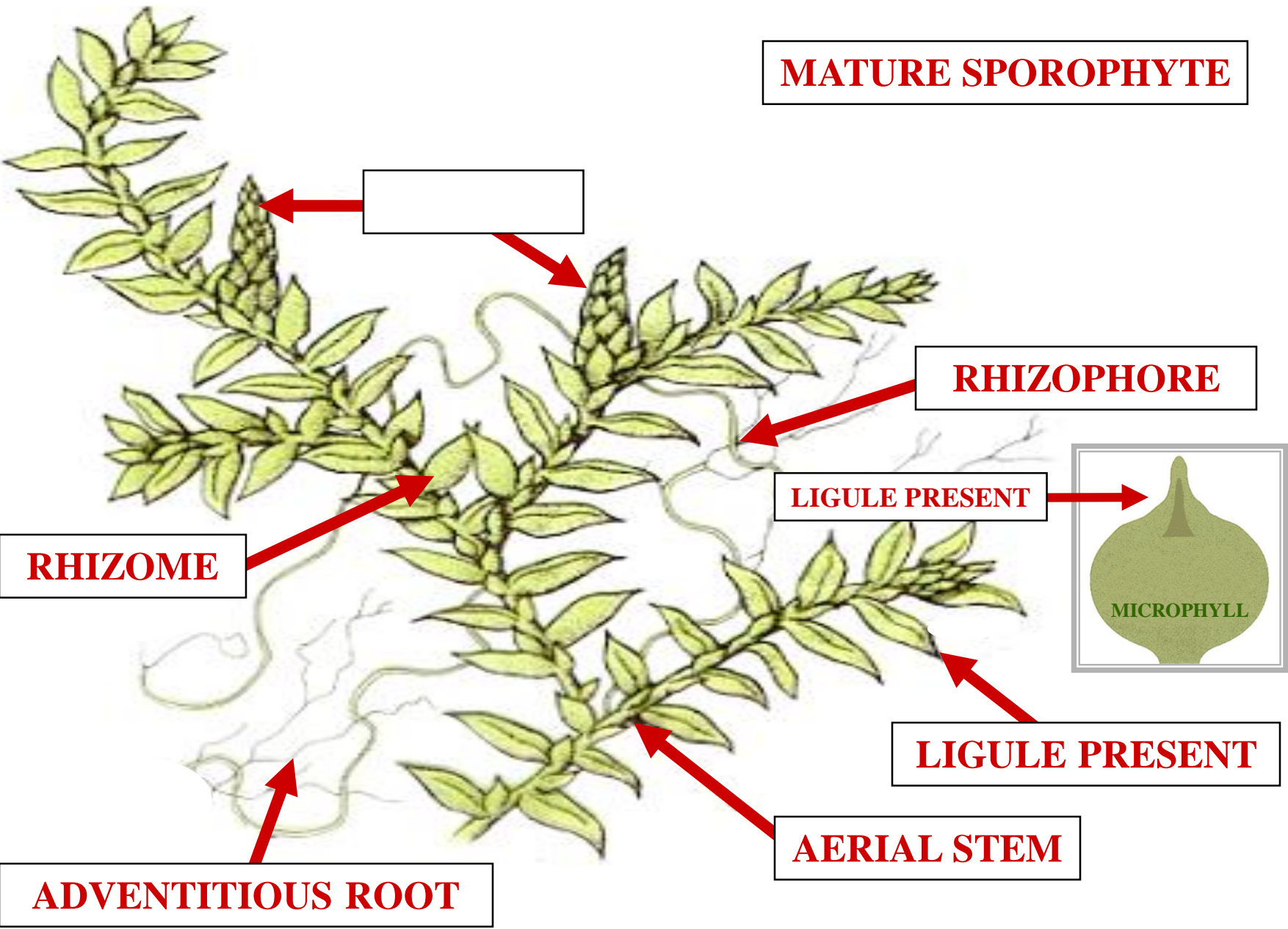


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LIGULE PRESENT

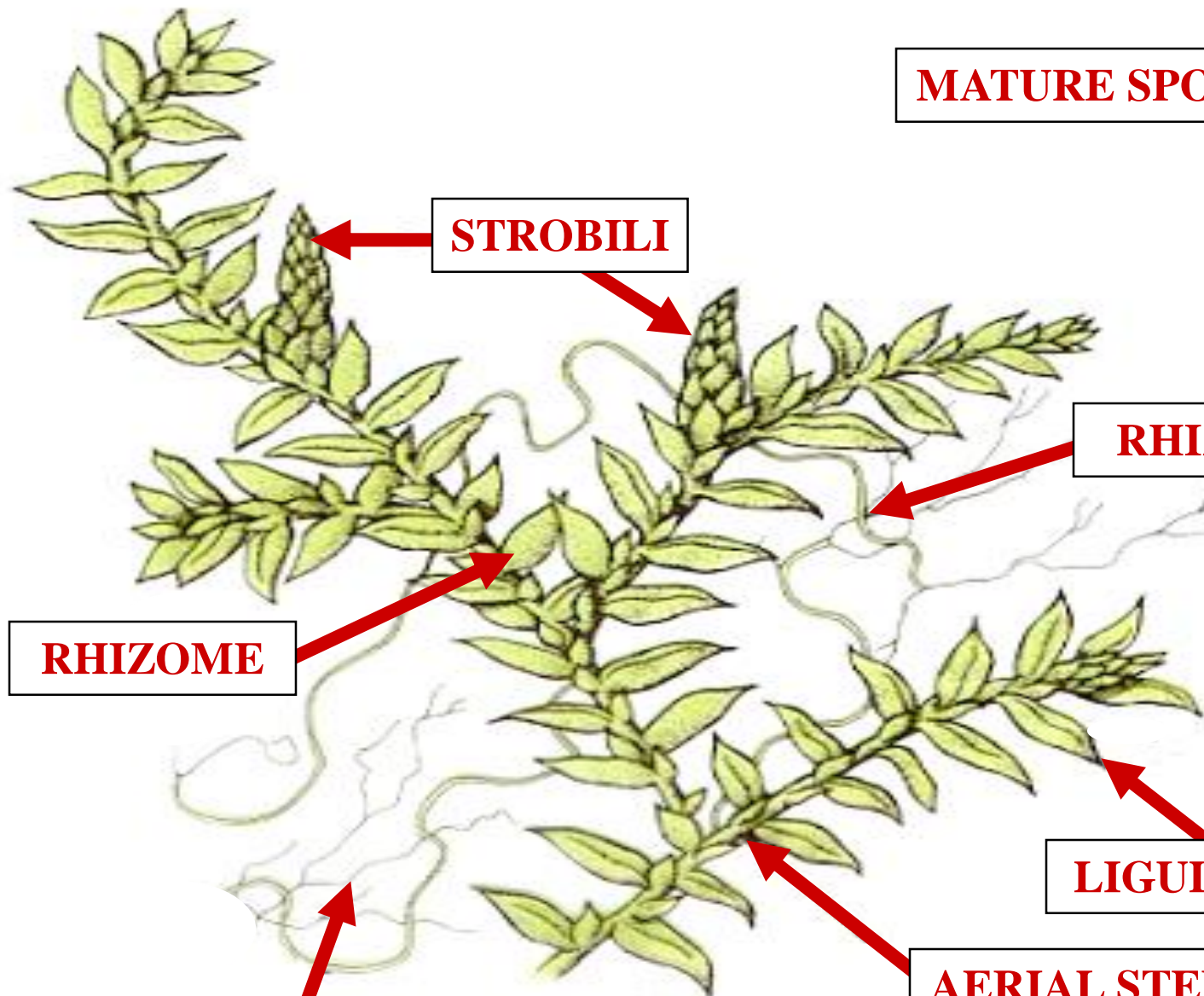
AERIAL STEM

ADVENTITIOUS ROOT





MATURE SPOROPHYTE



STROBILI

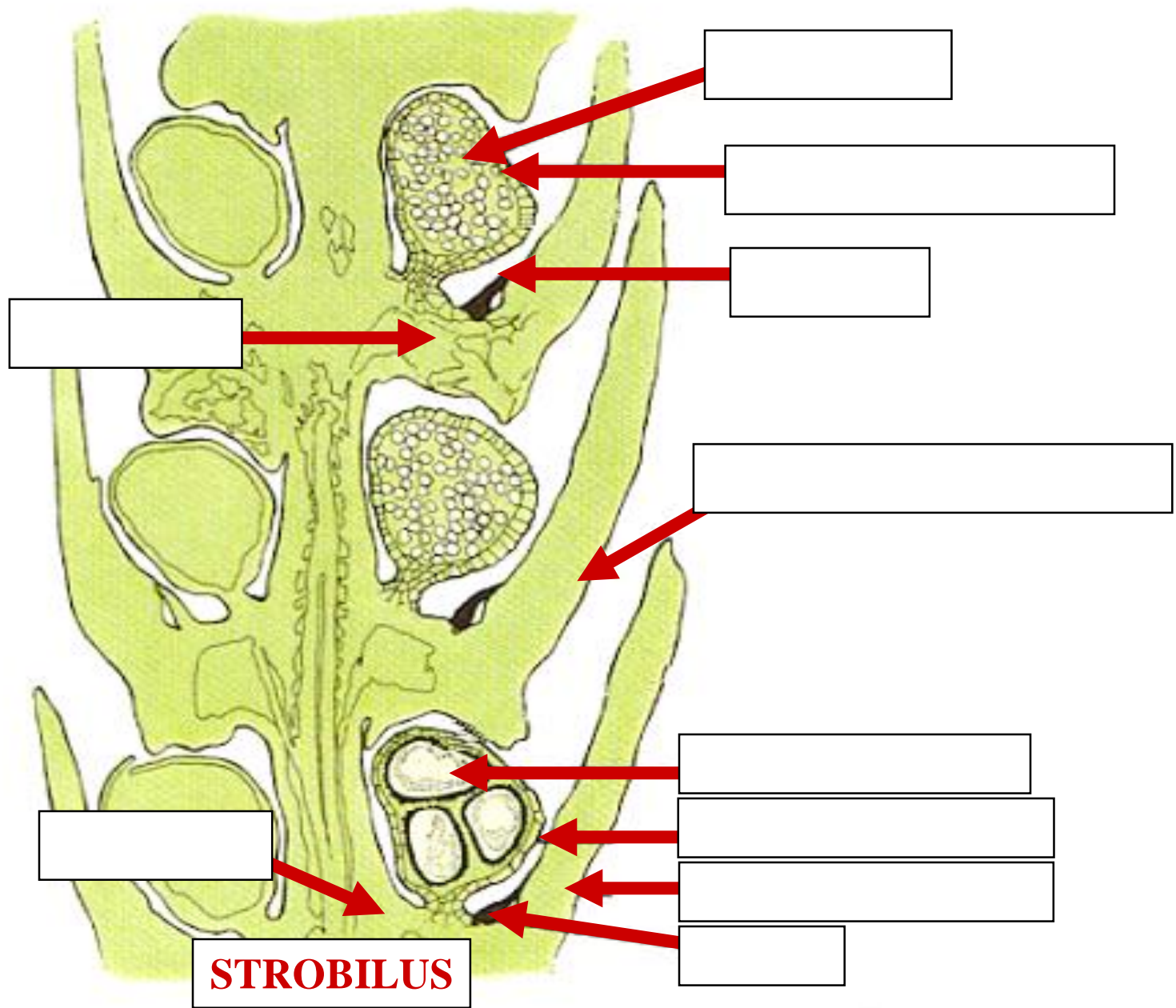
RHIZOPHORE

RHIZOME

LIGULE PRESENT

AERIAL STEM

ADVENTITIOUS ROOT



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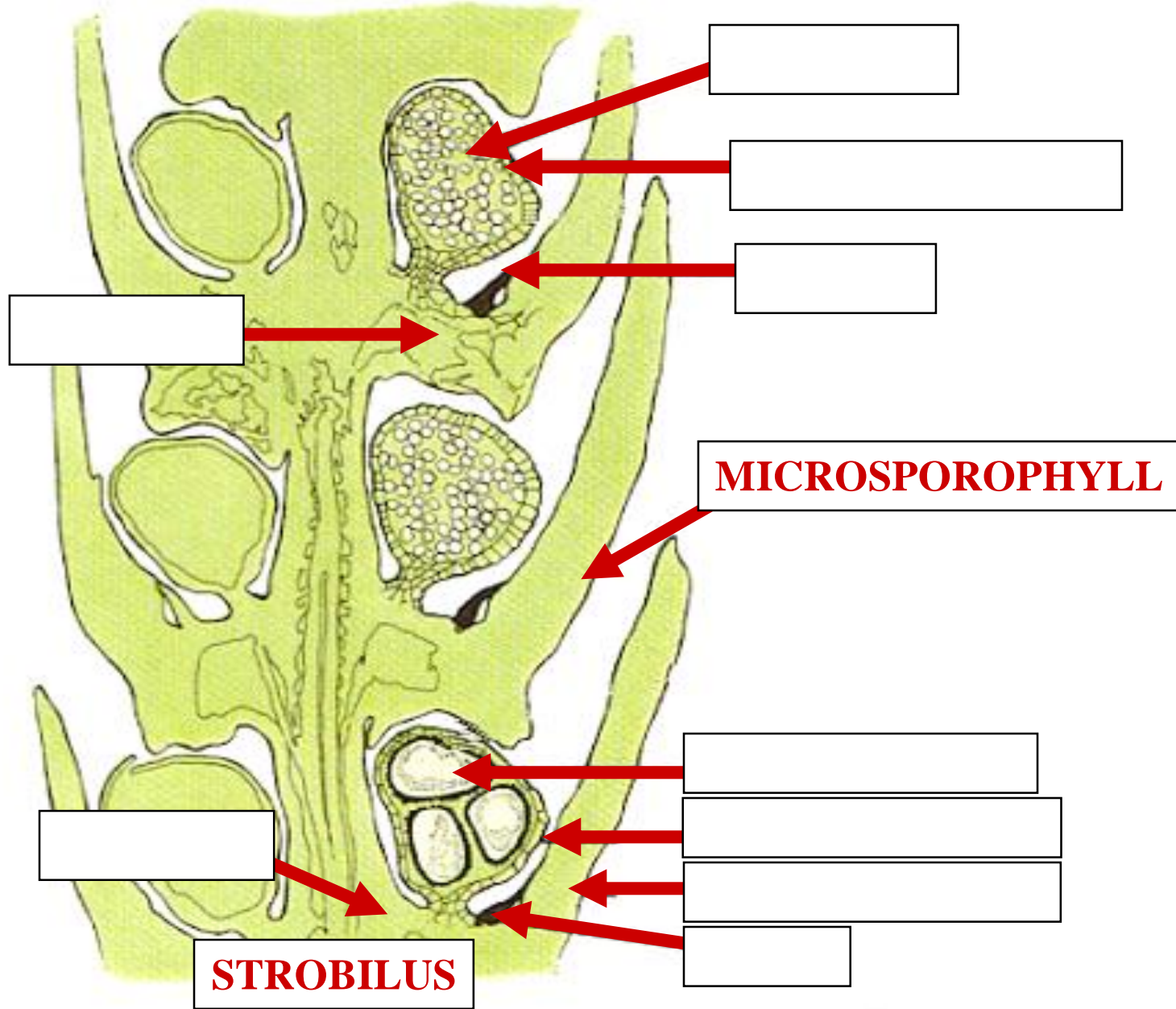
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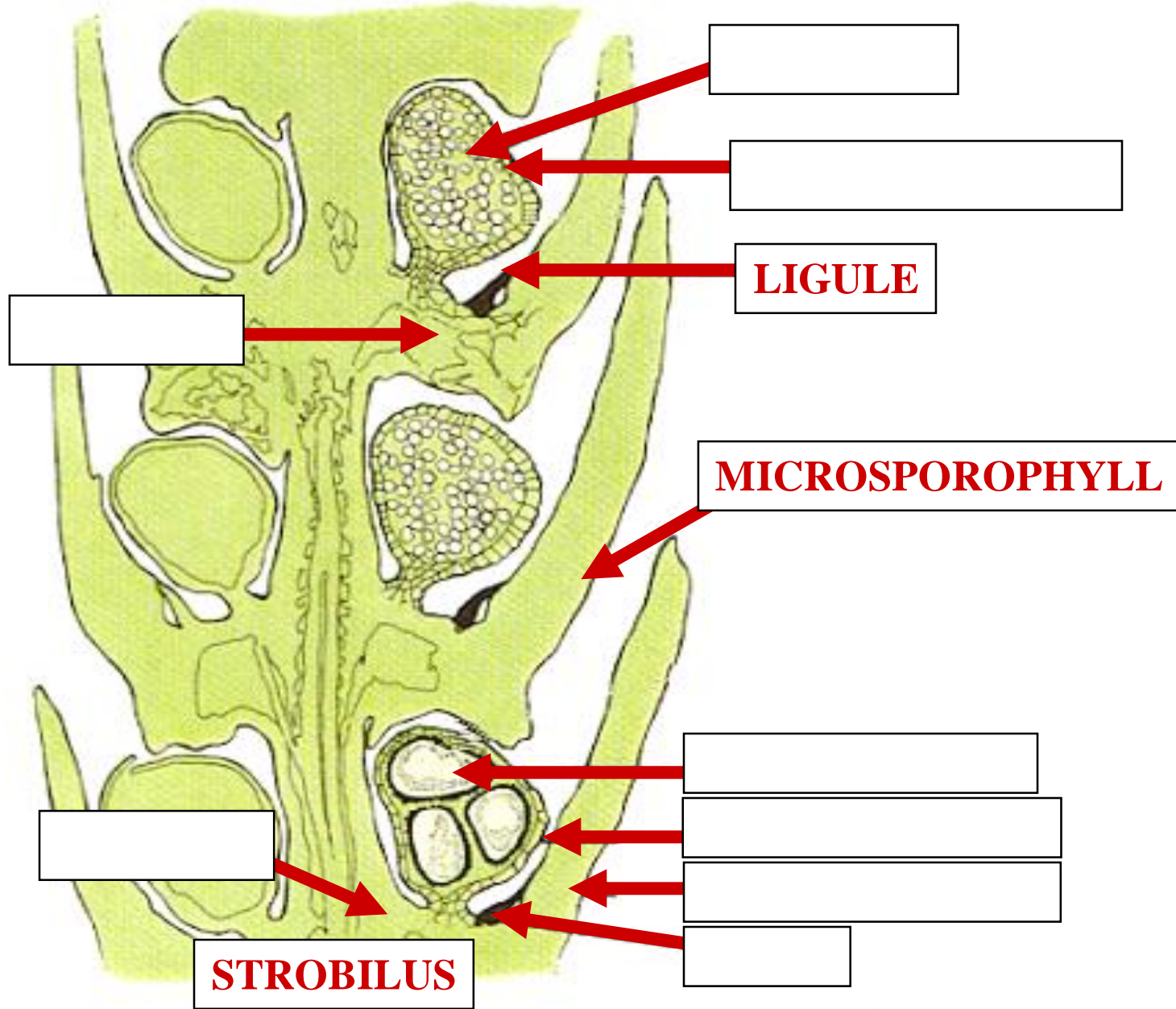
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STROBILUS



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MICROSPOROPHYLL

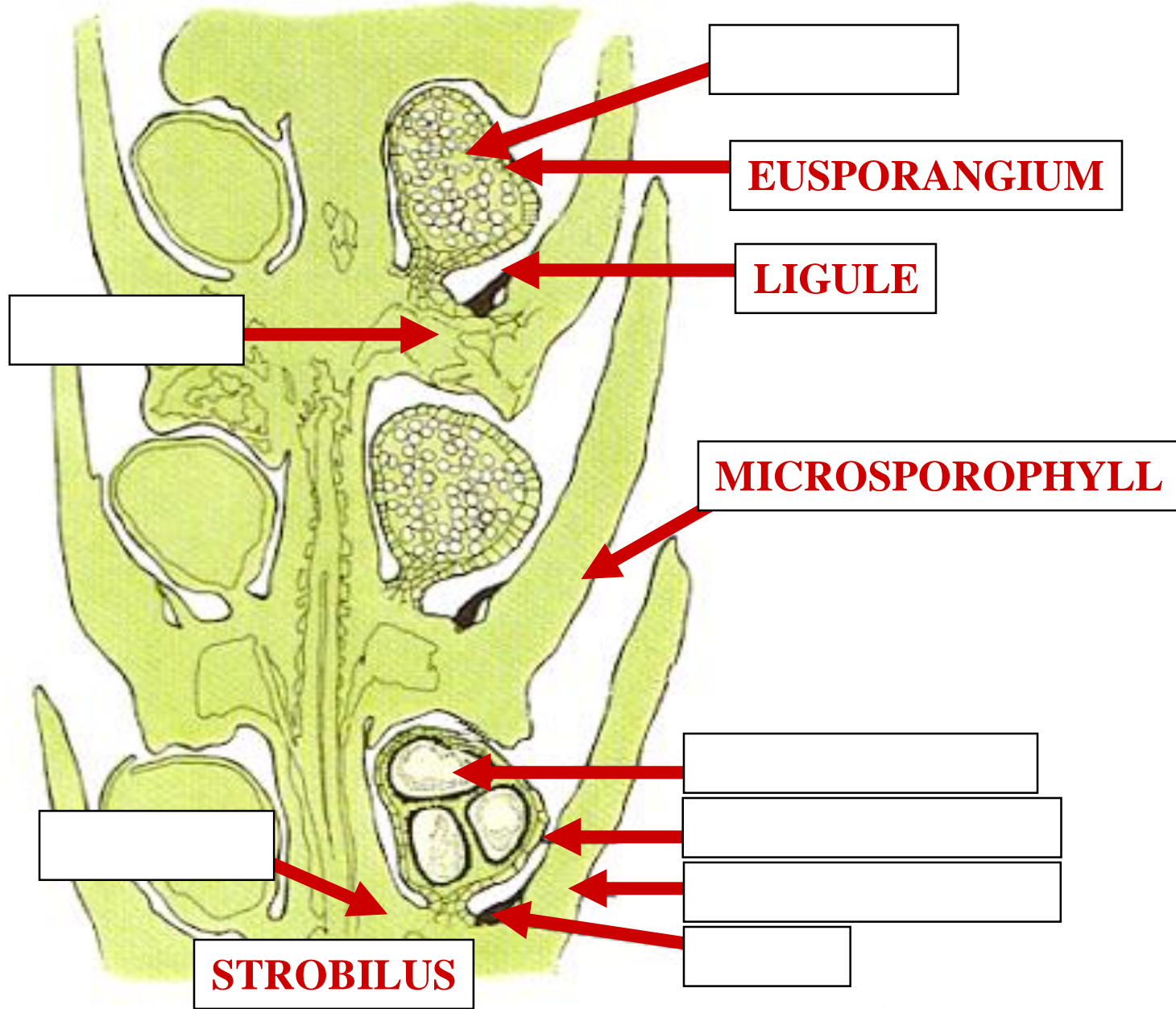
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EUSPORANGIUM

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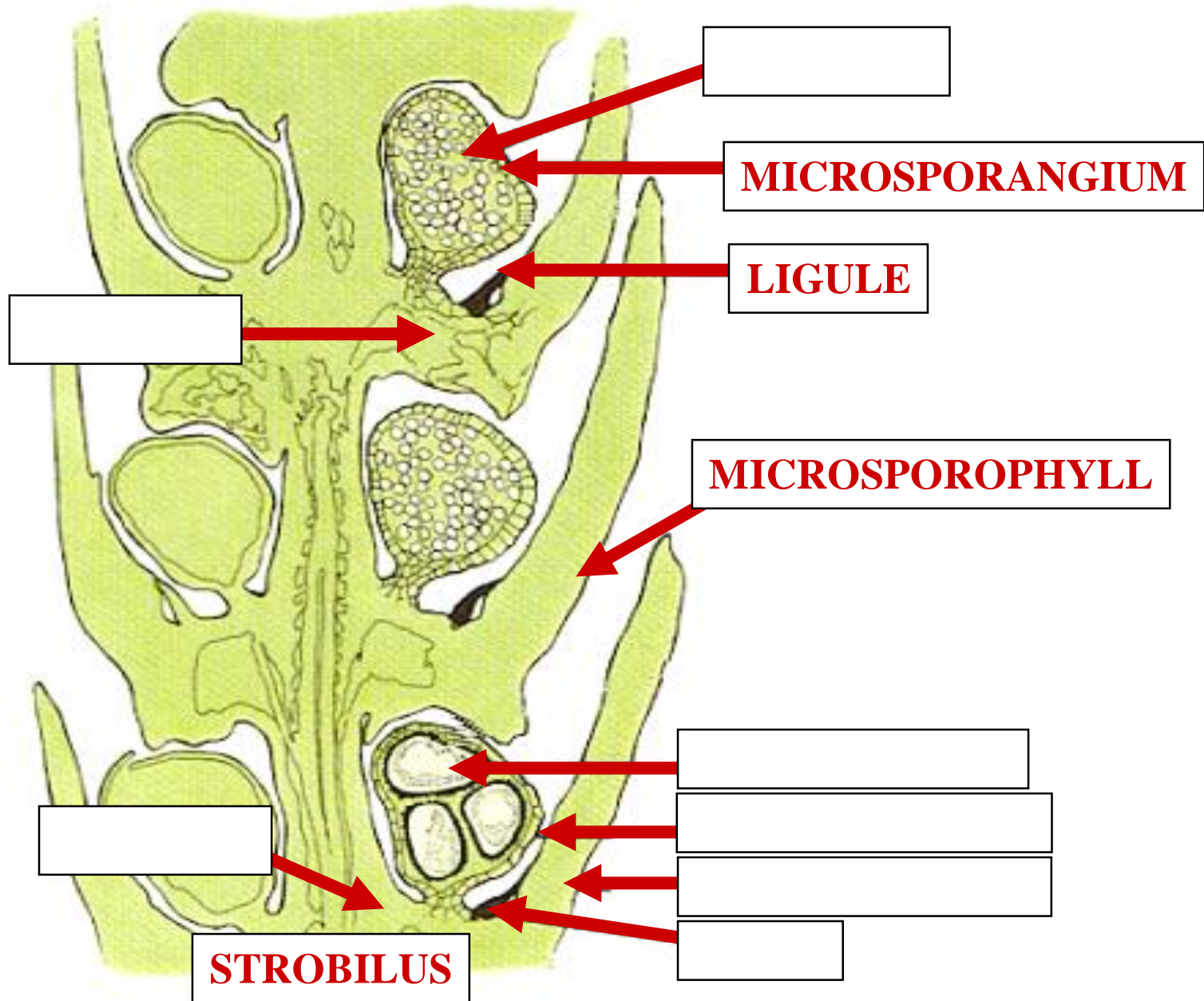
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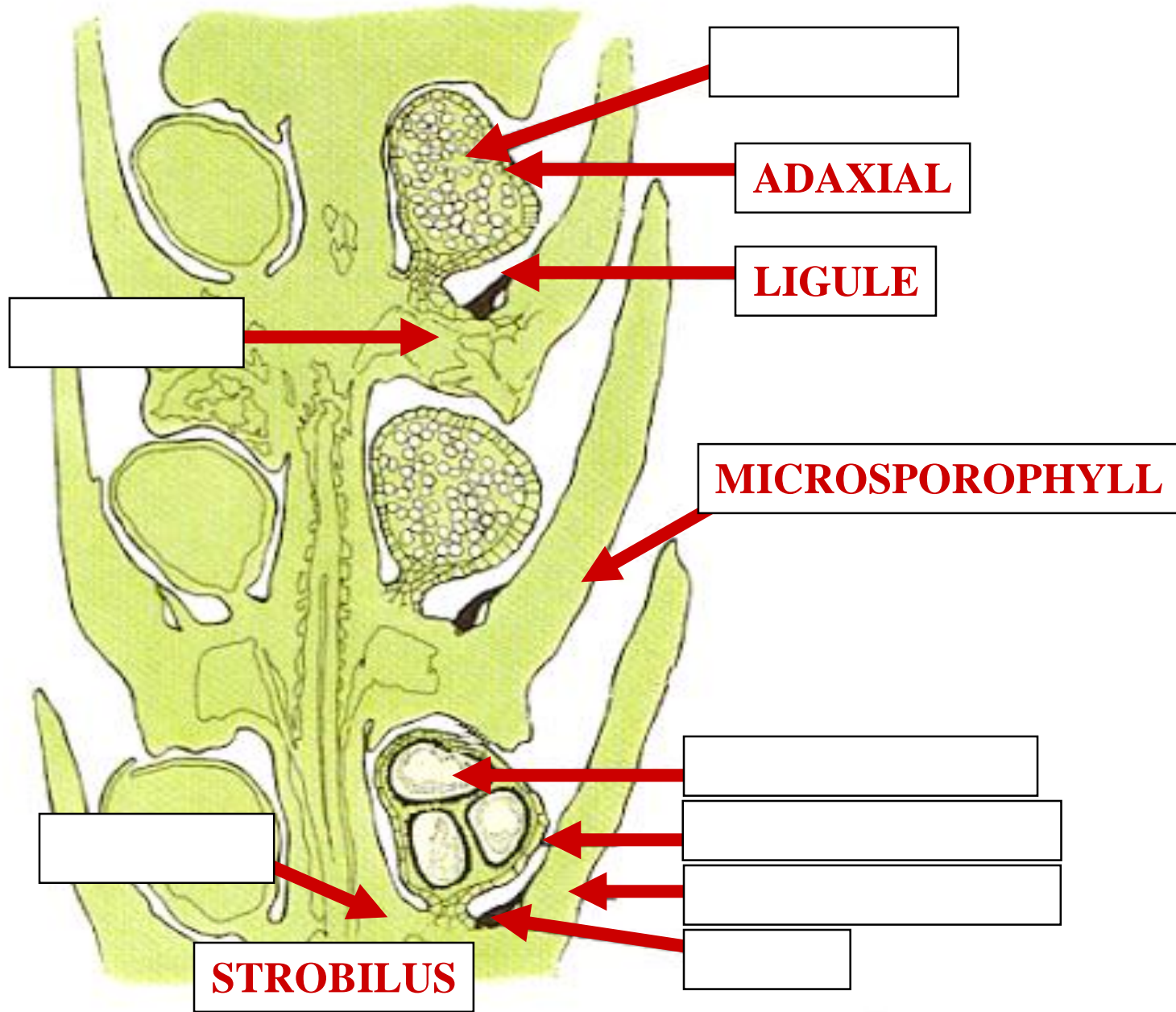
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ADAXIAL

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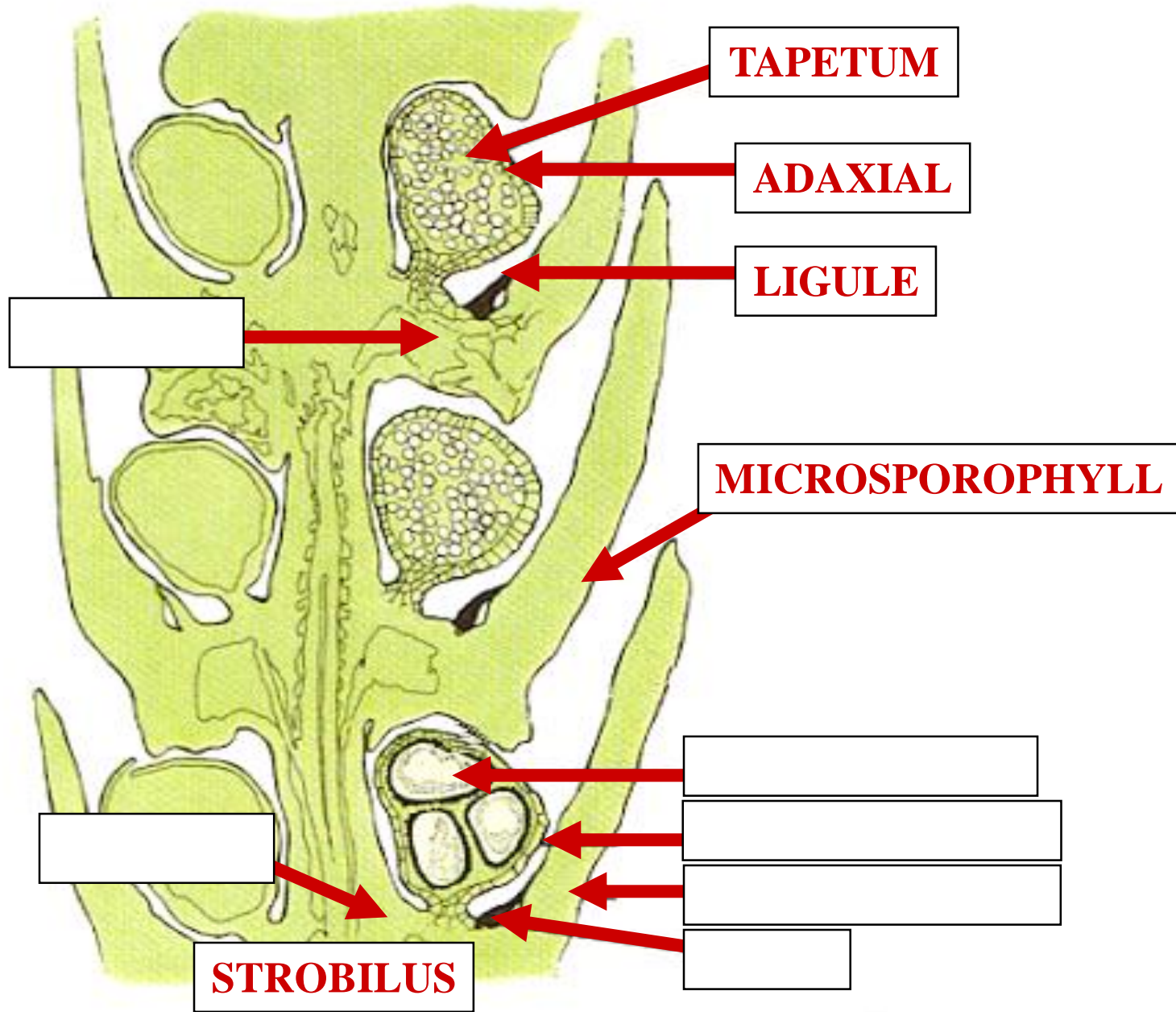
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STROBILUS



TAPETUM

ADAXIAL

LIGULE

MICROSPOROPHYLL

STROBILUS

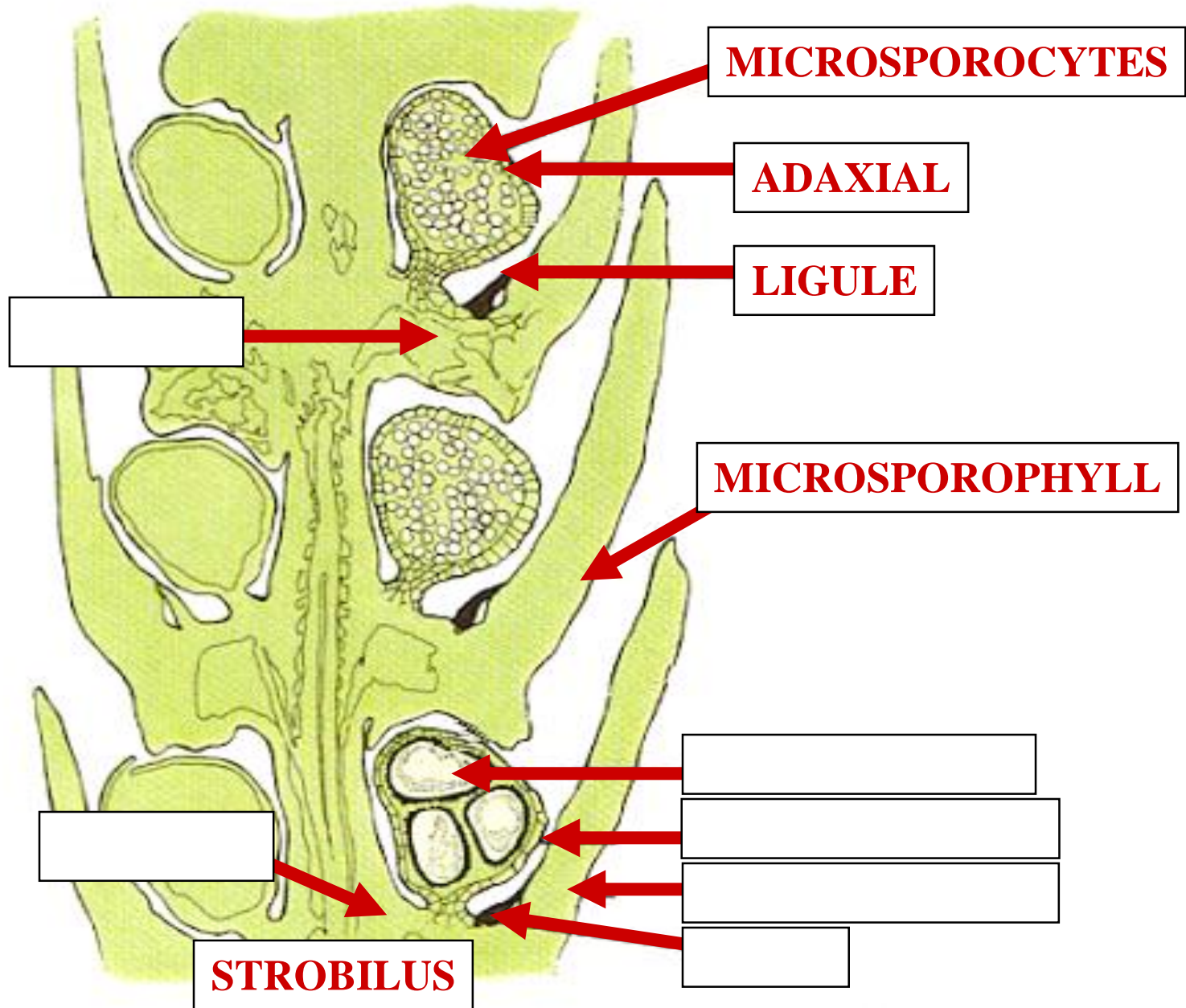
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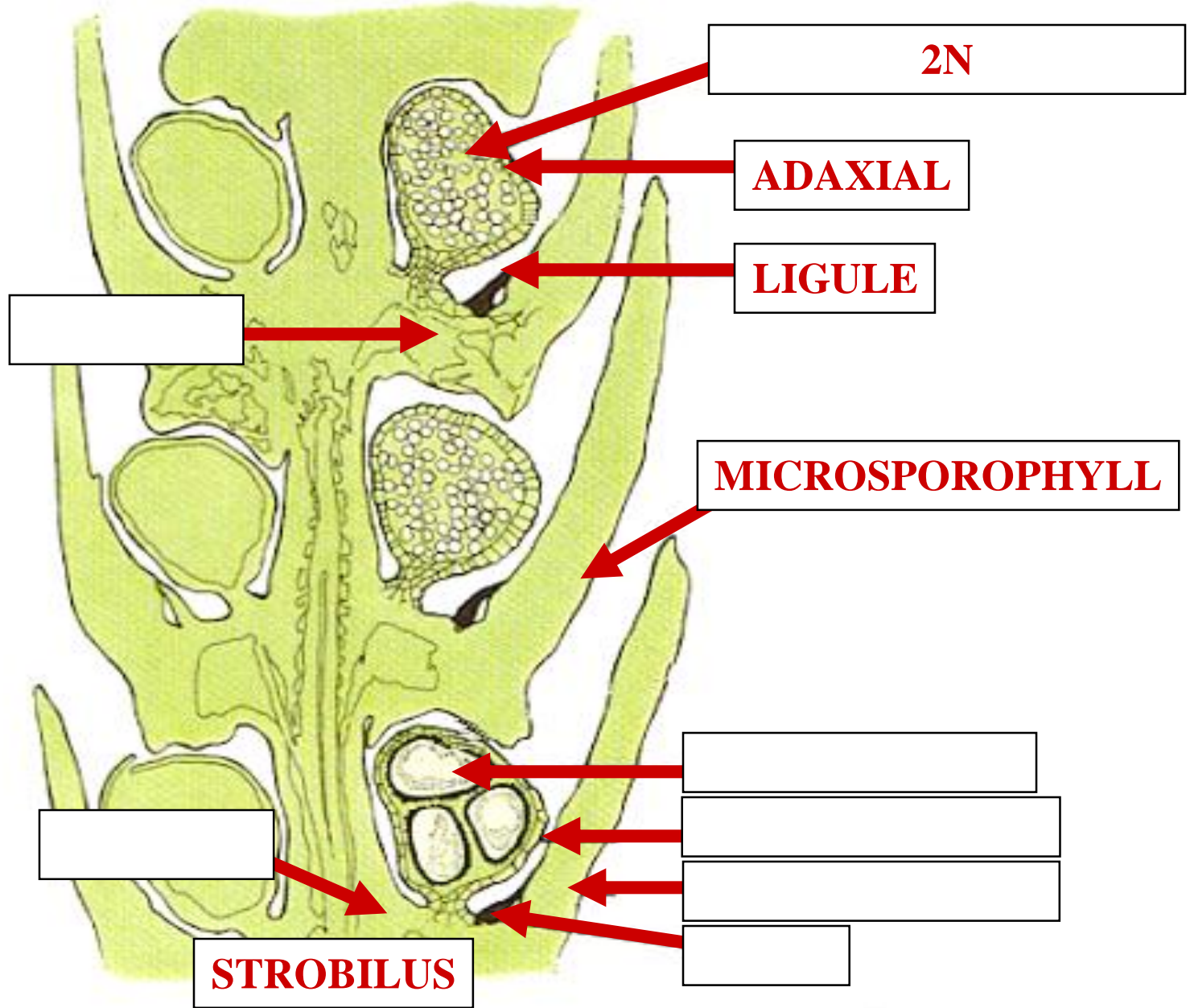
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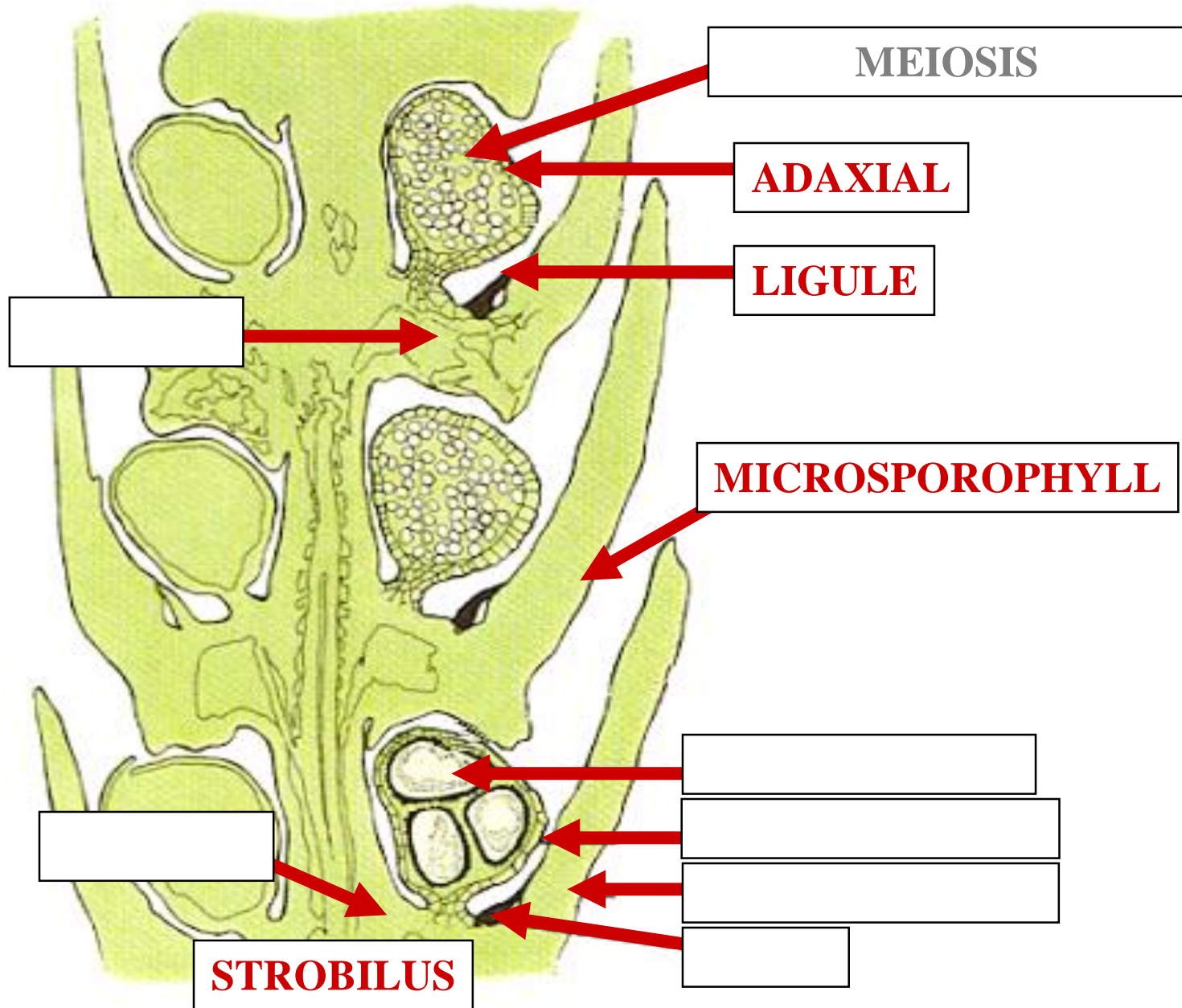
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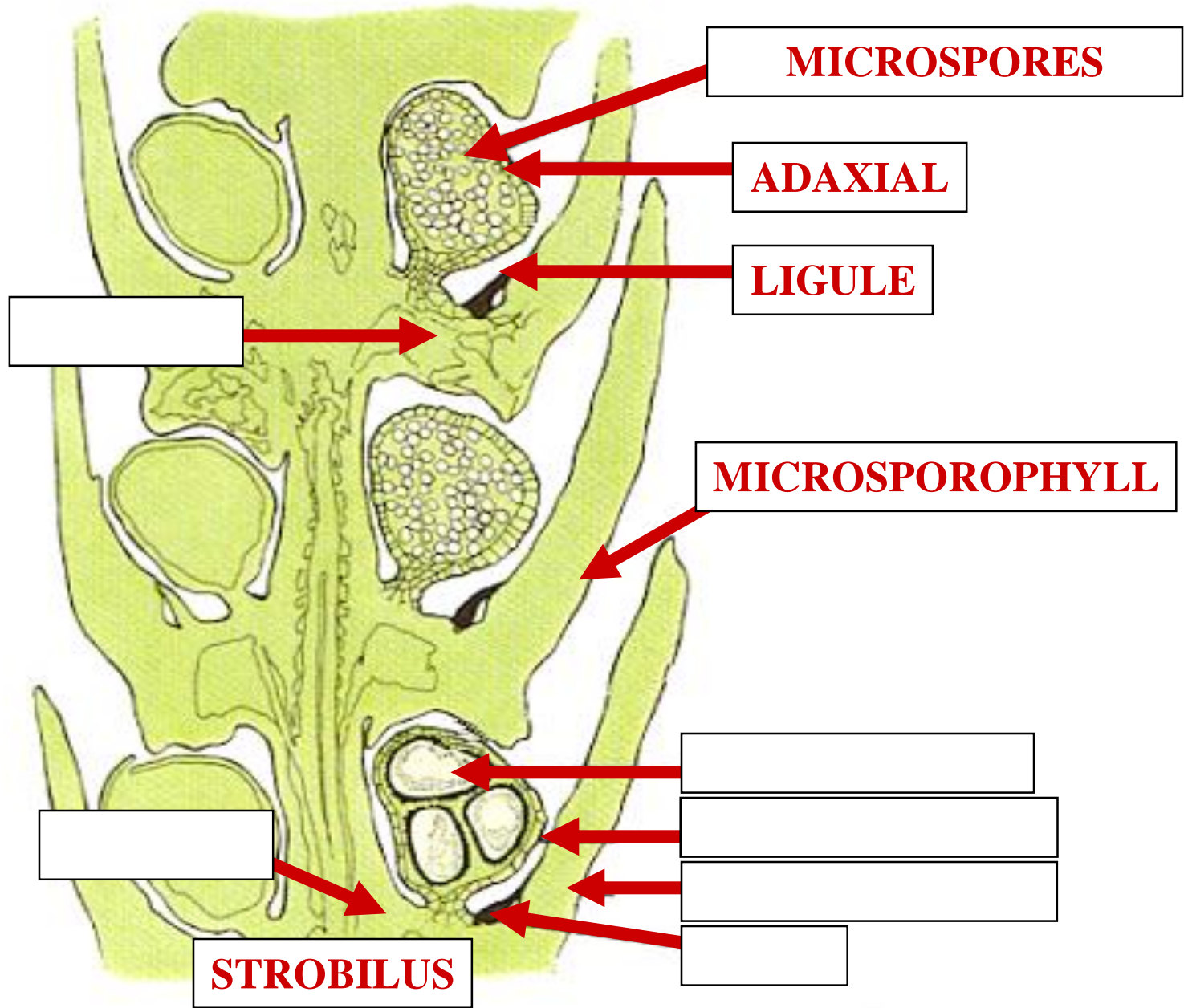
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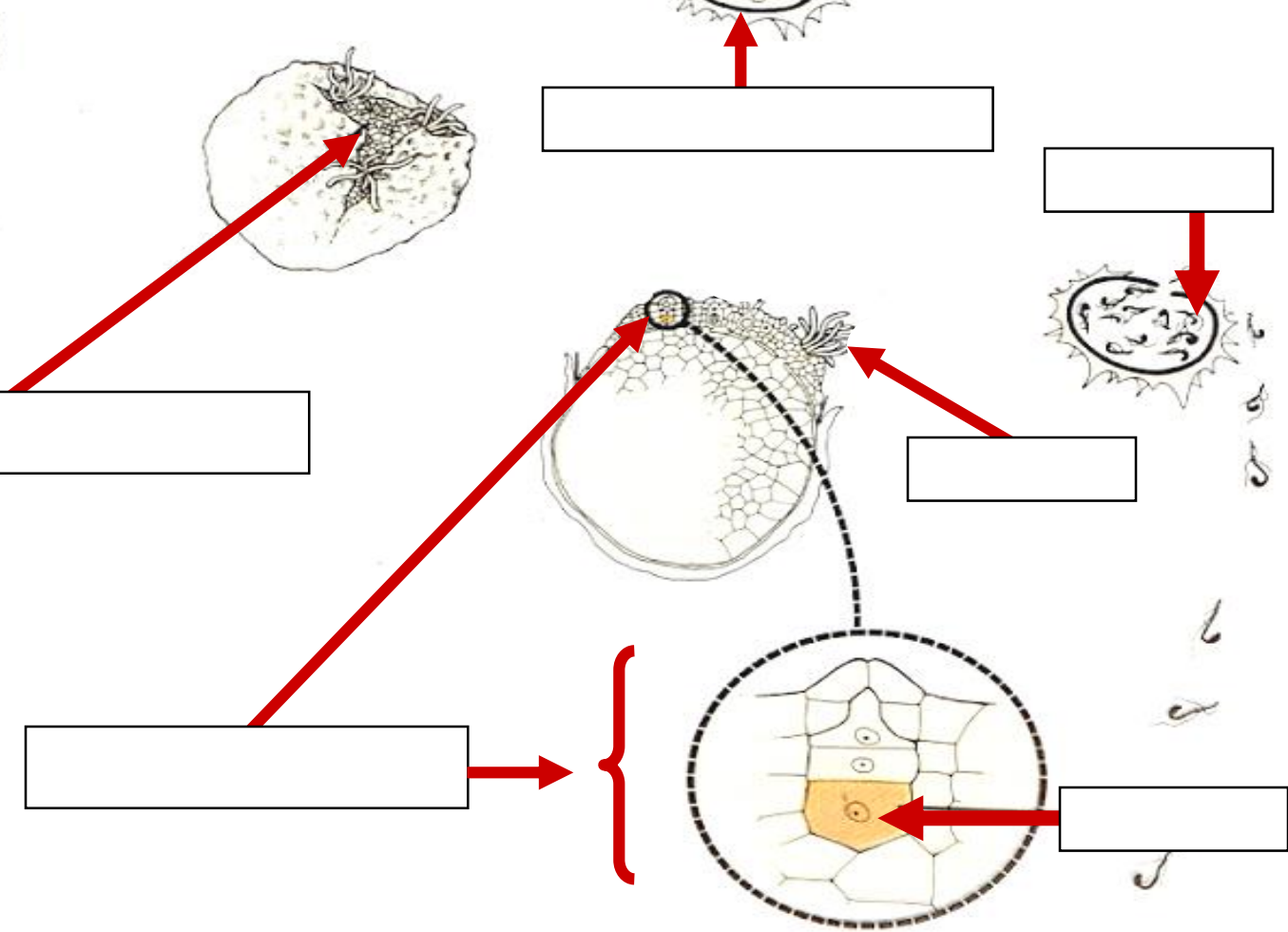
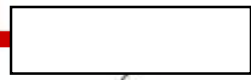
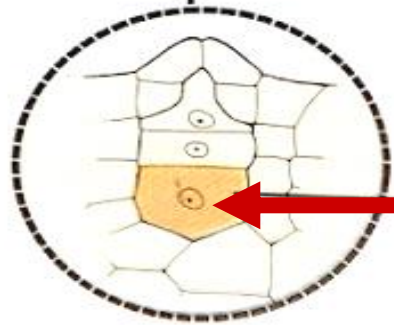
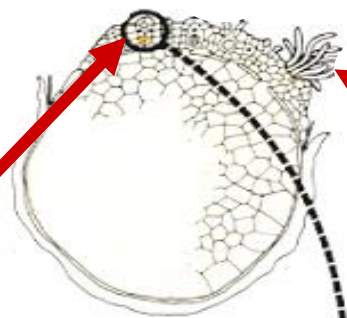
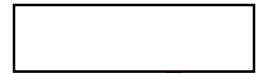
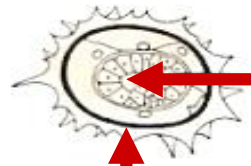
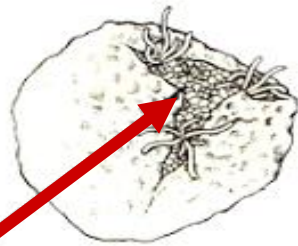
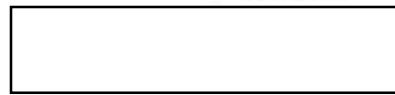
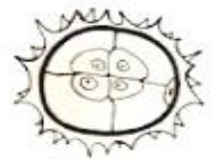






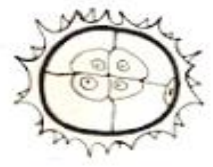


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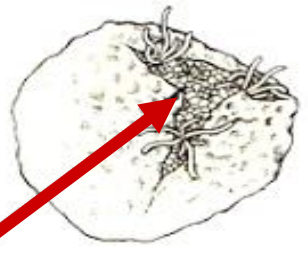




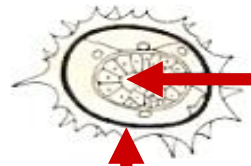
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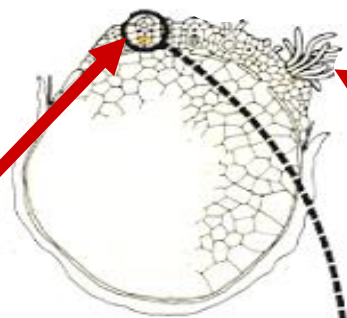
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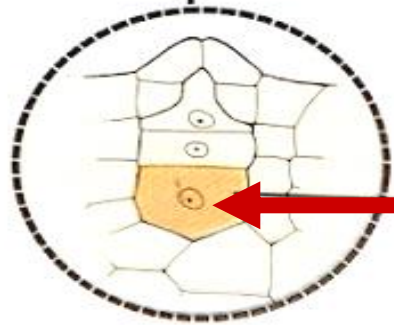
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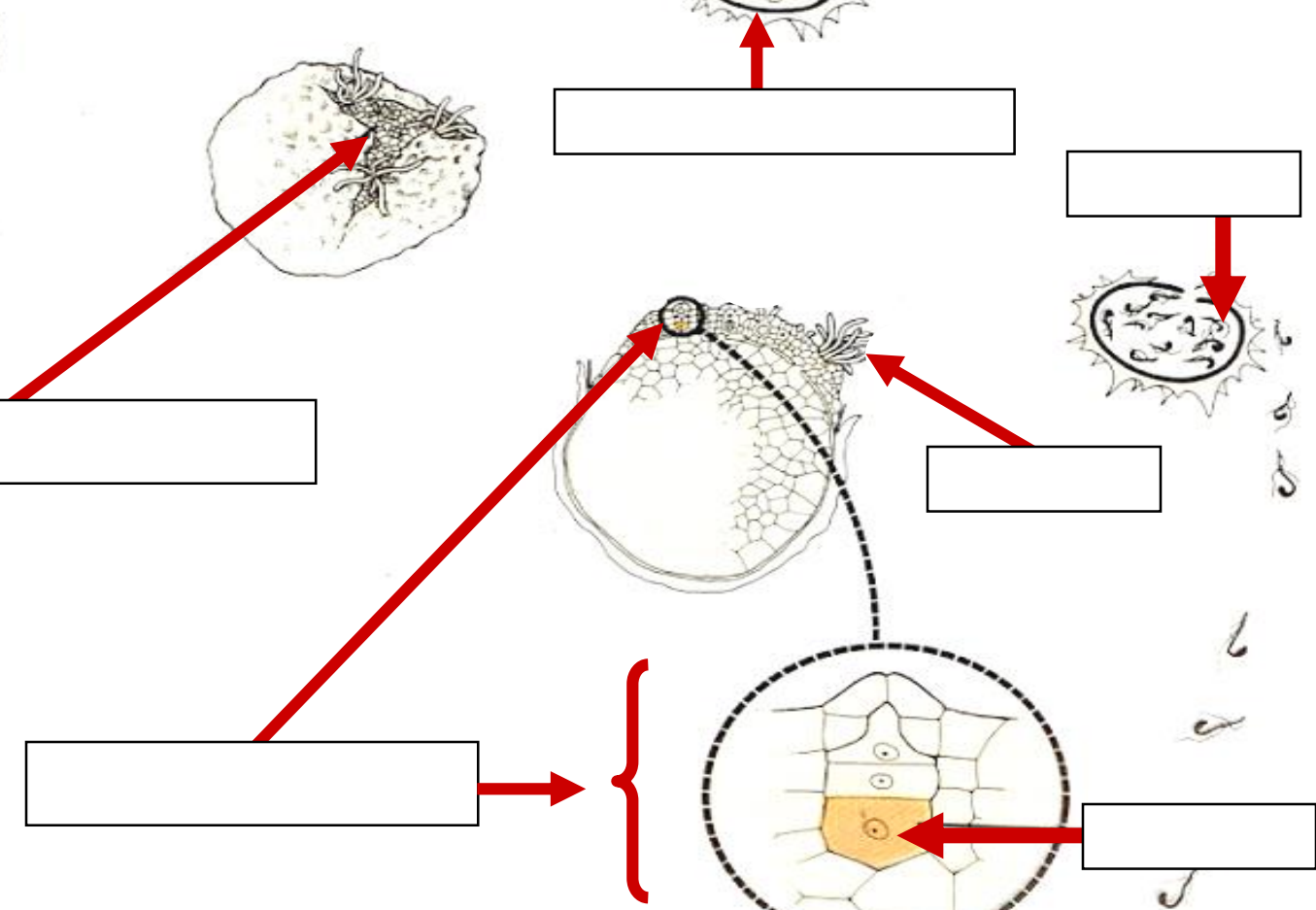
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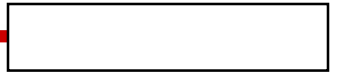
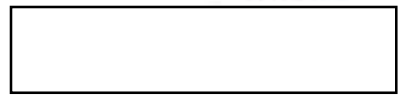
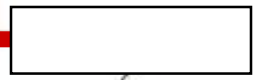
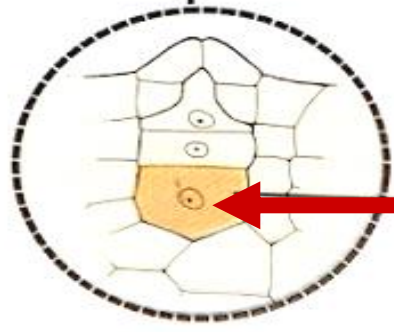
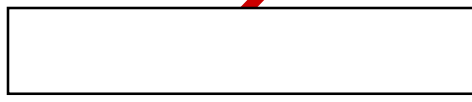
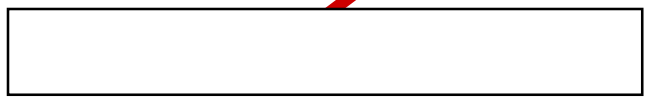
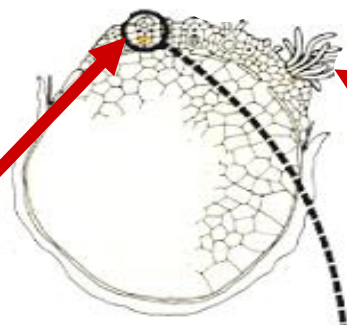
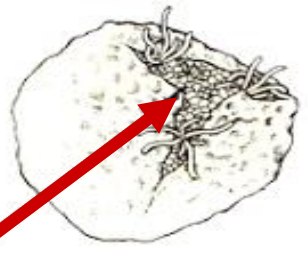
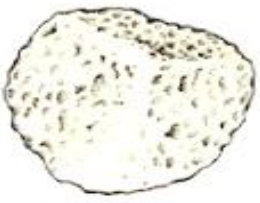
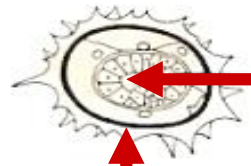


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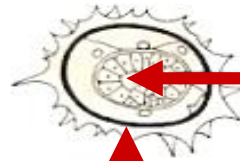
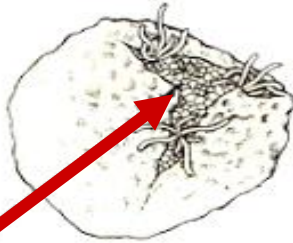
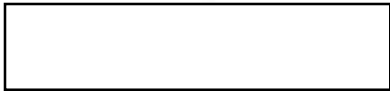
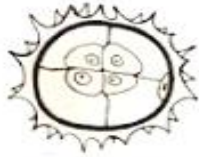


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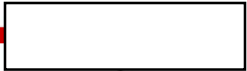
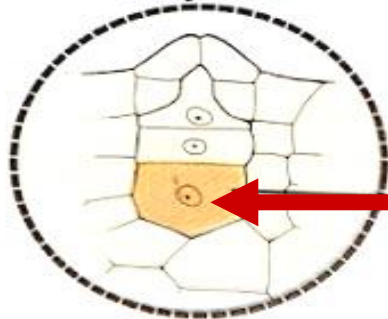
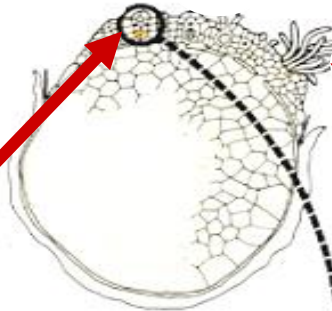
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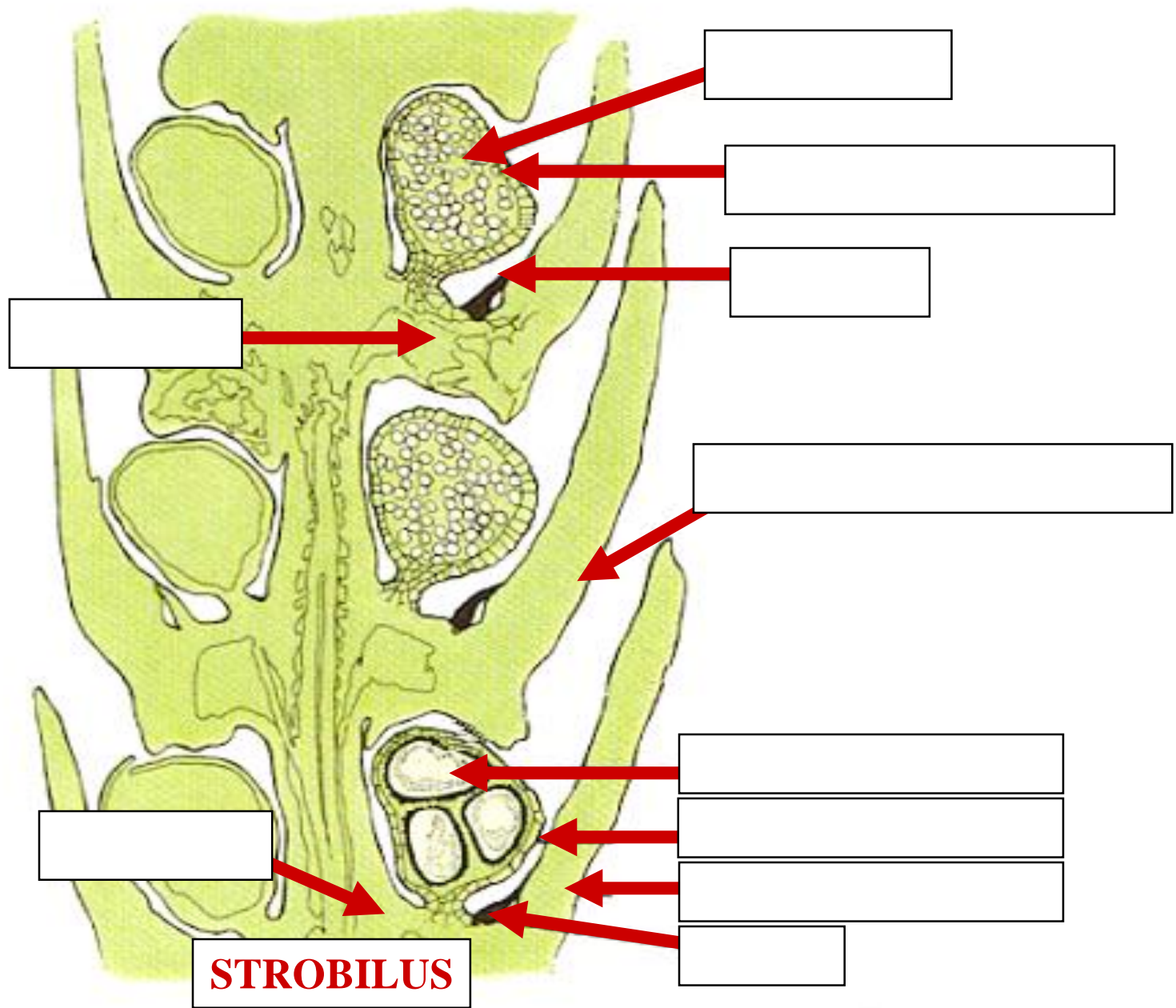


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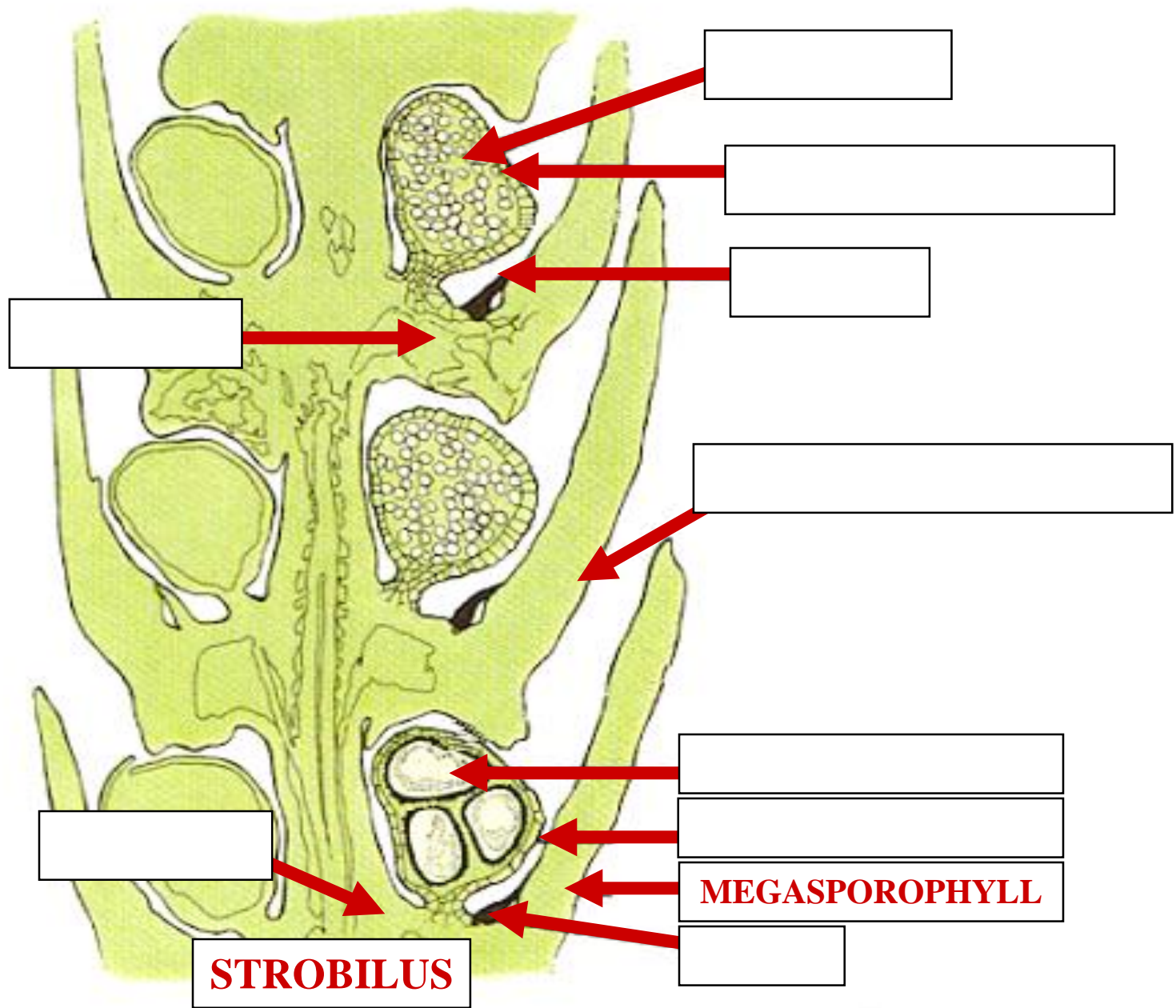


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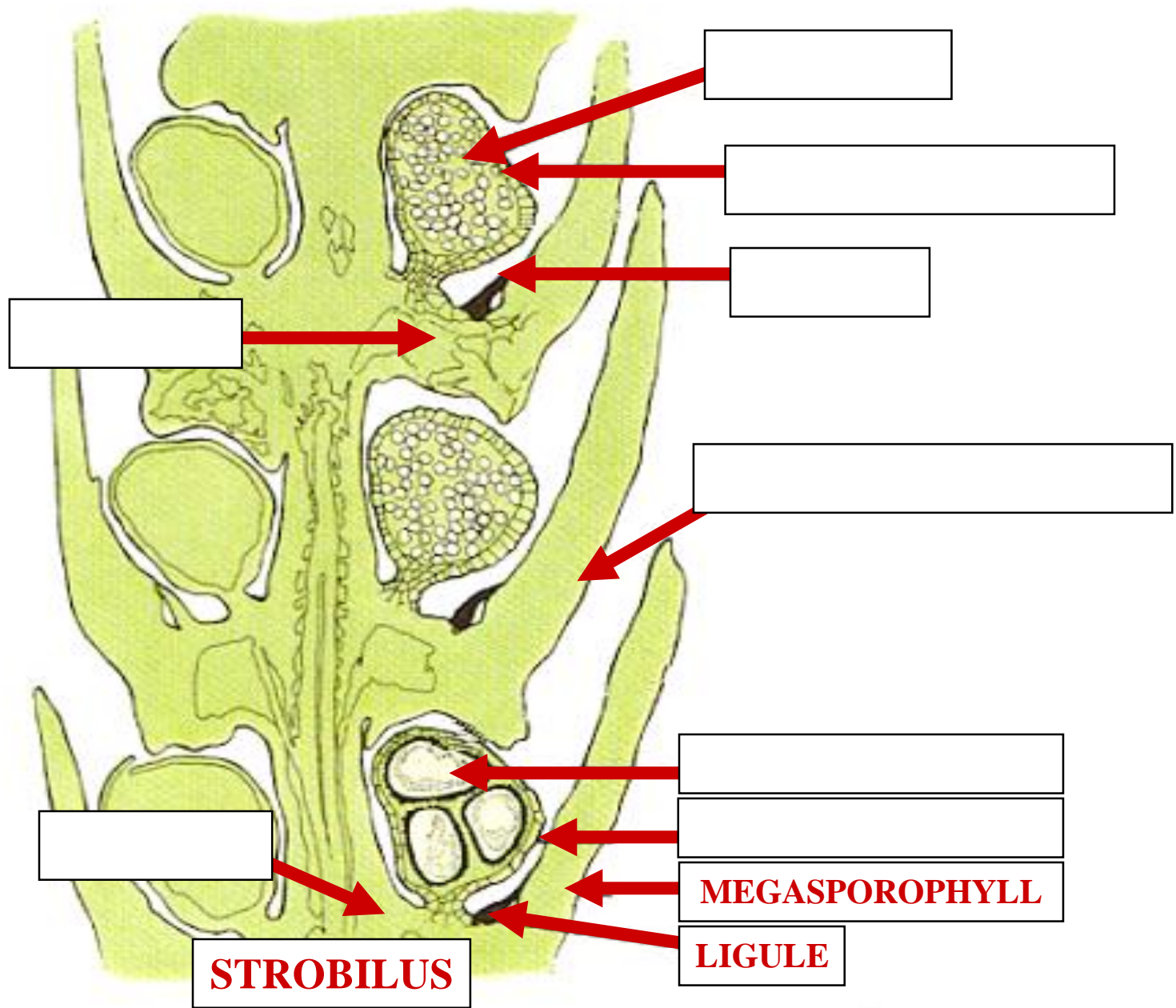
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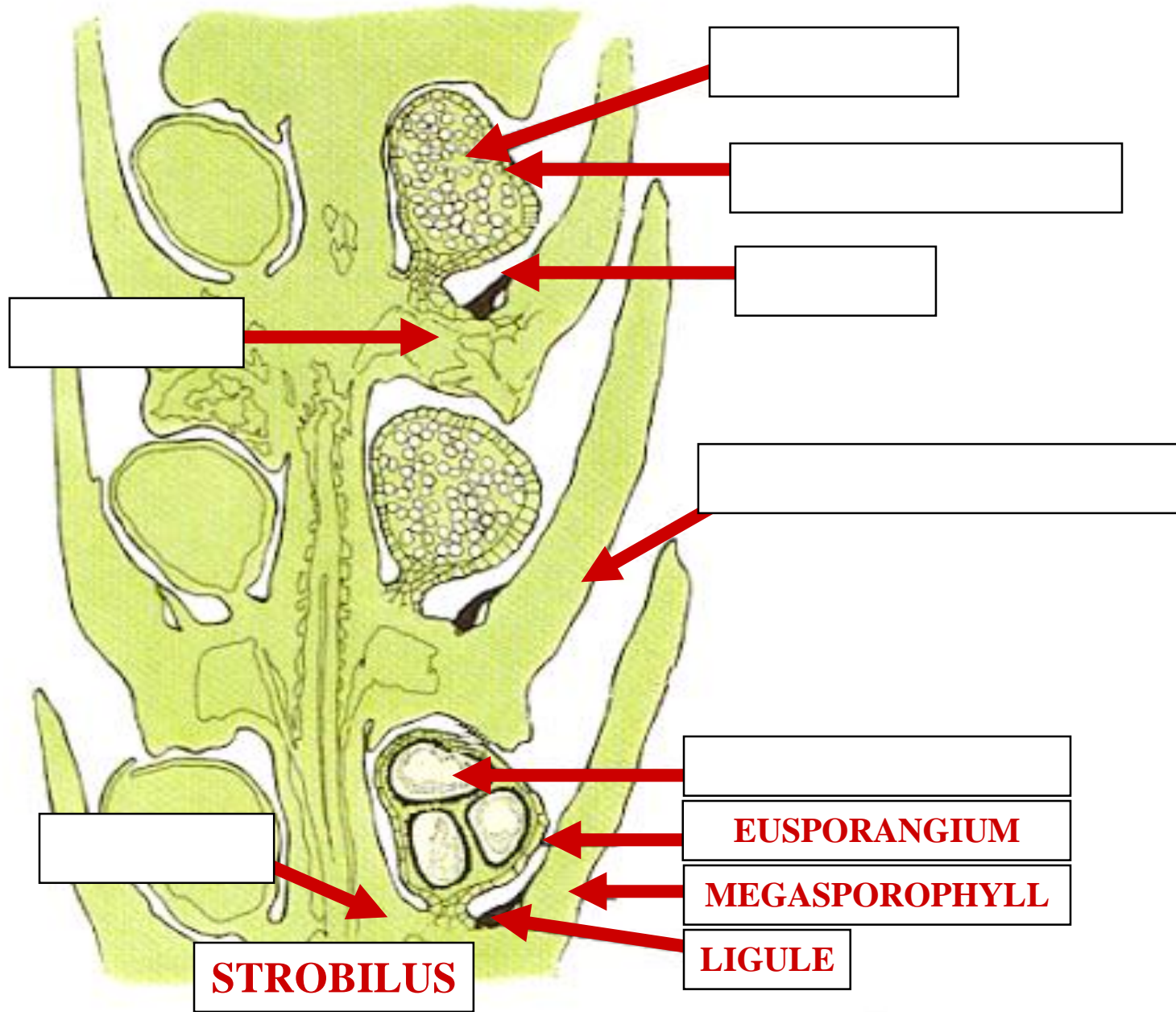
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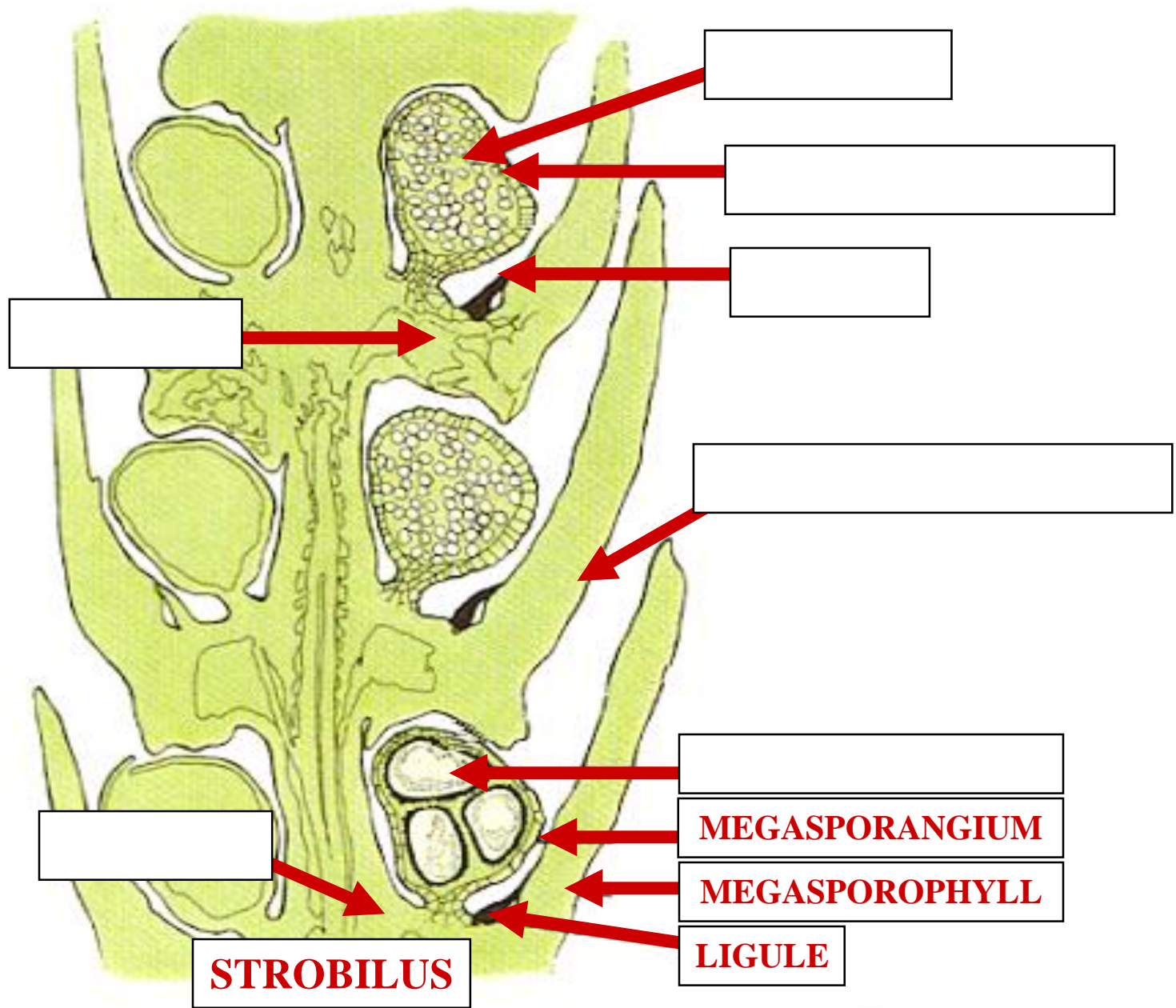
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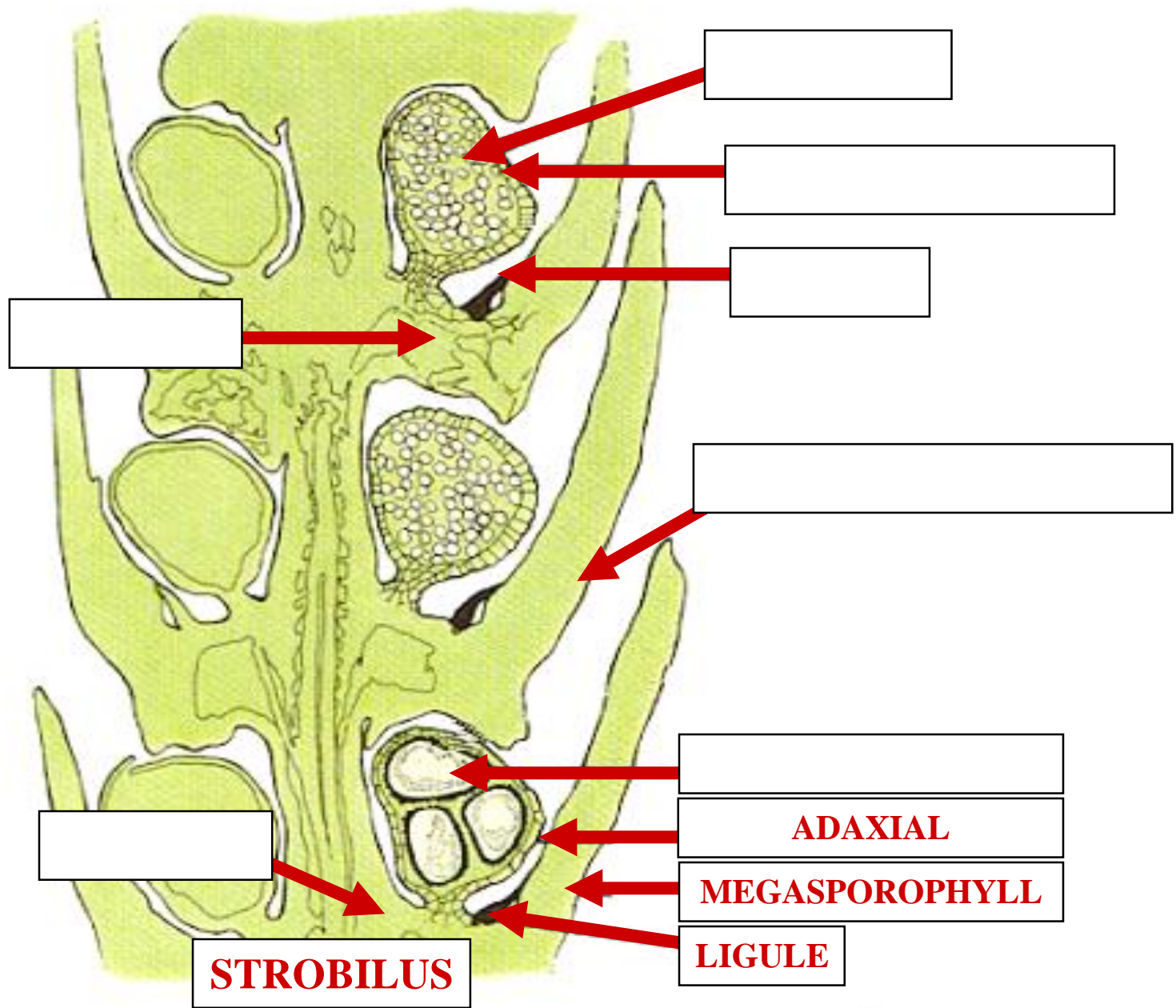


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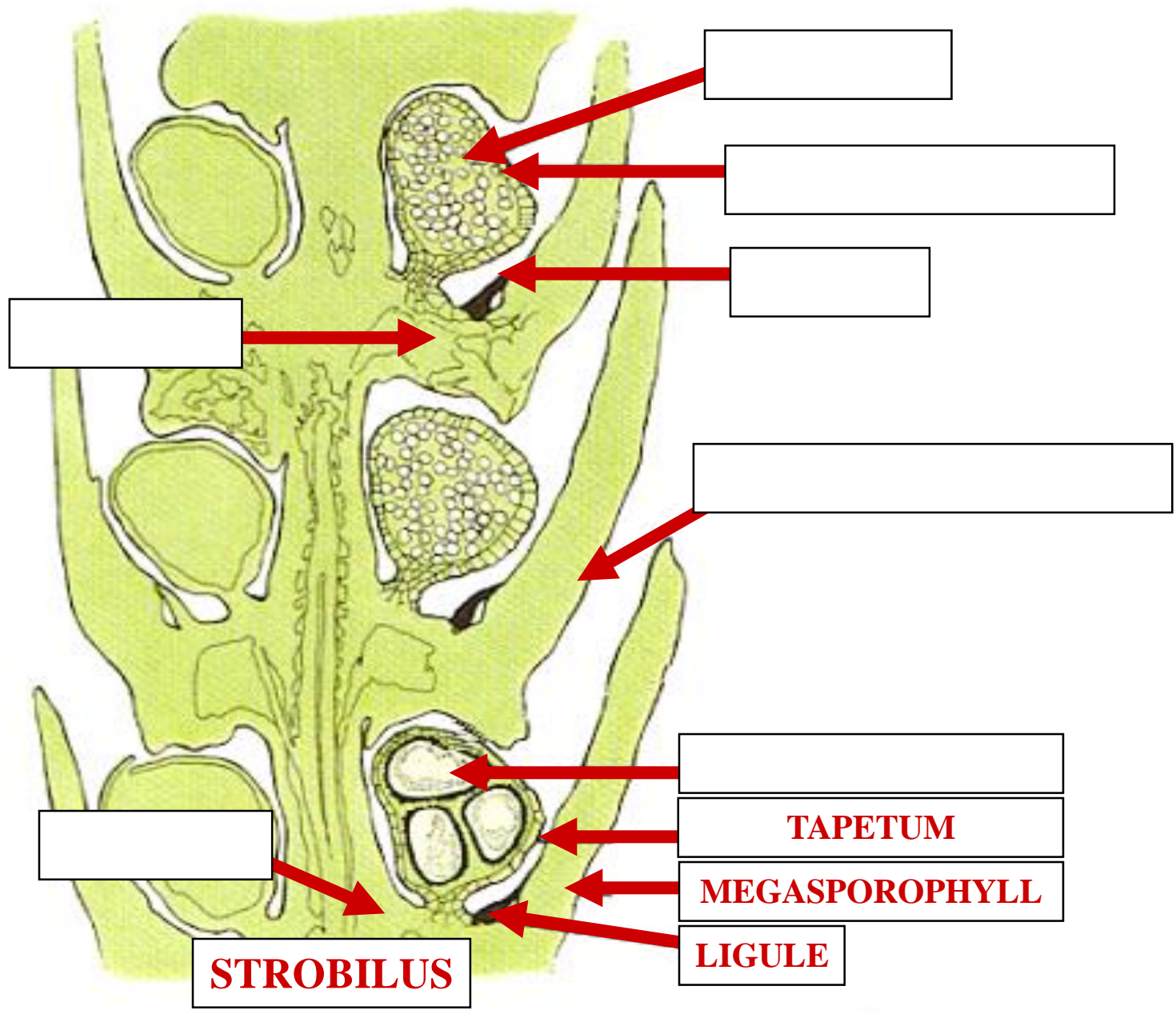
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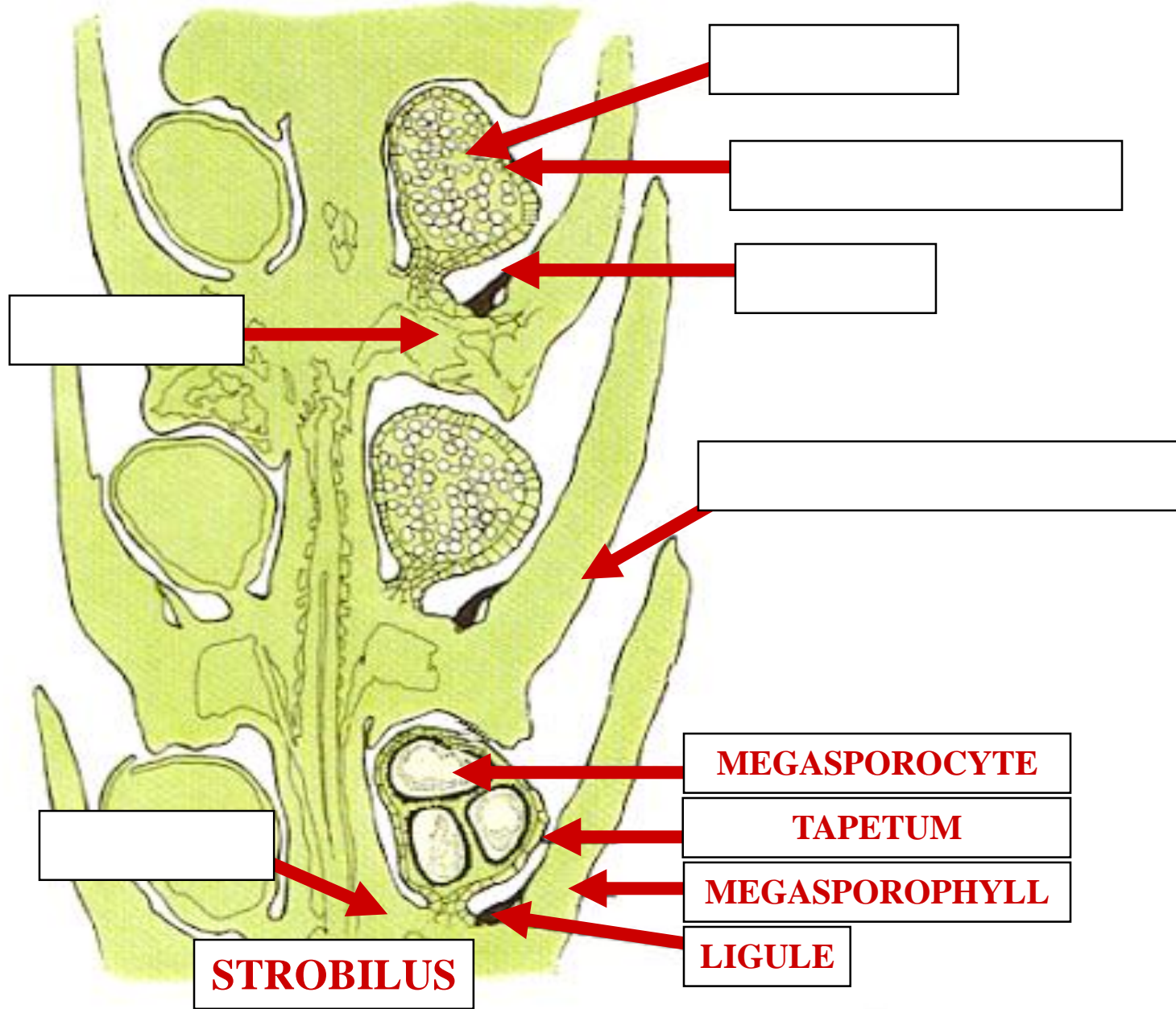
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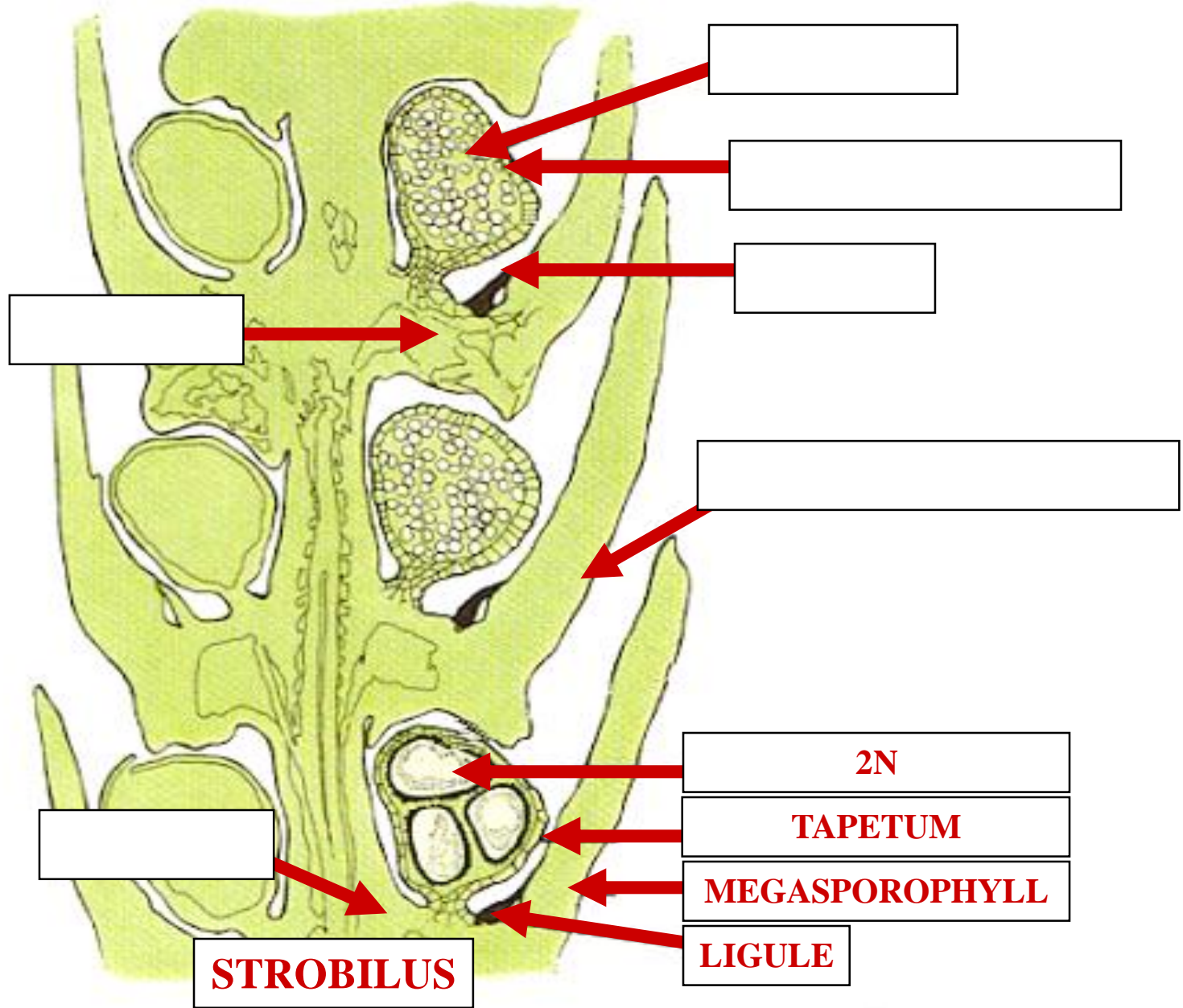
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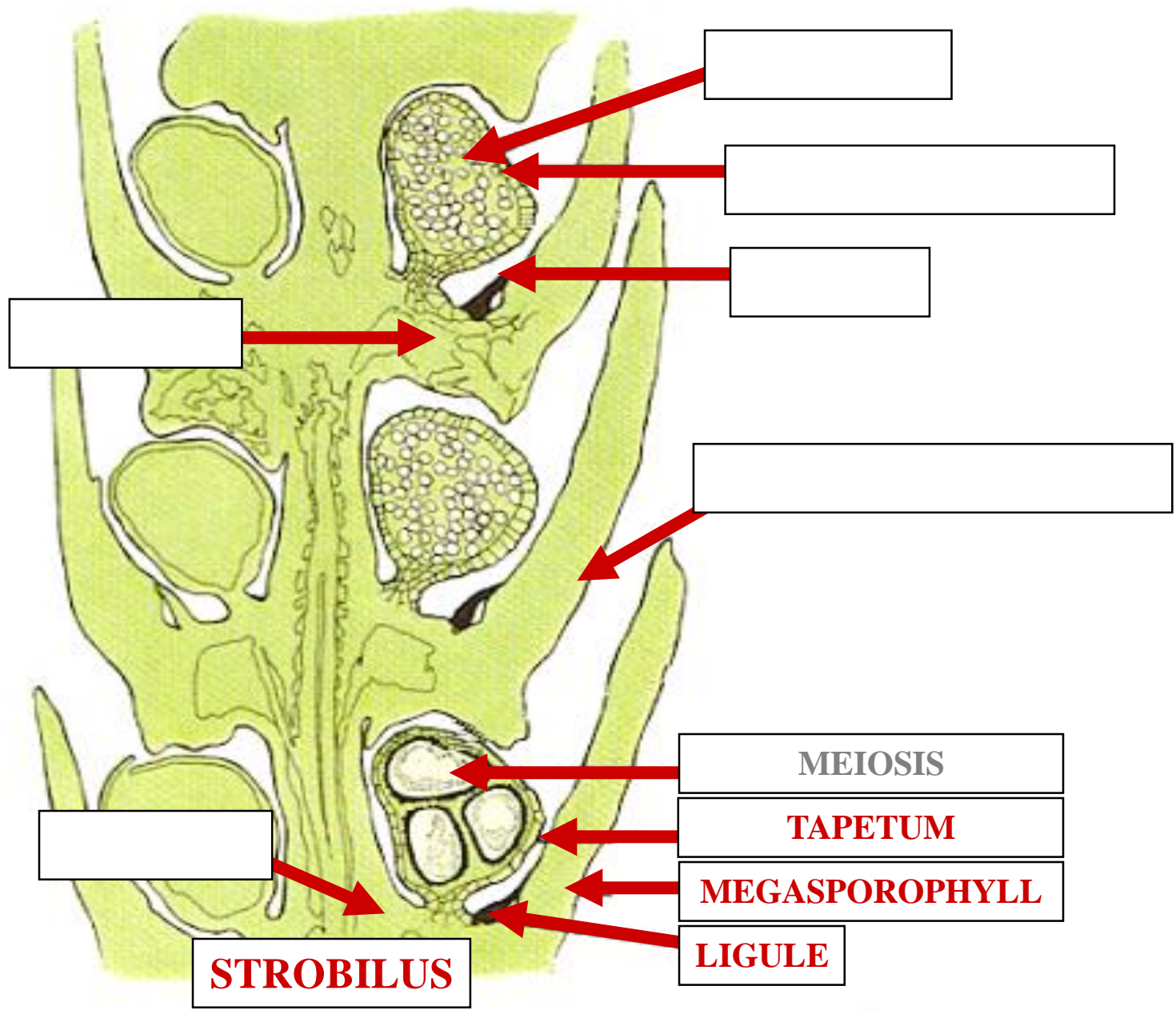
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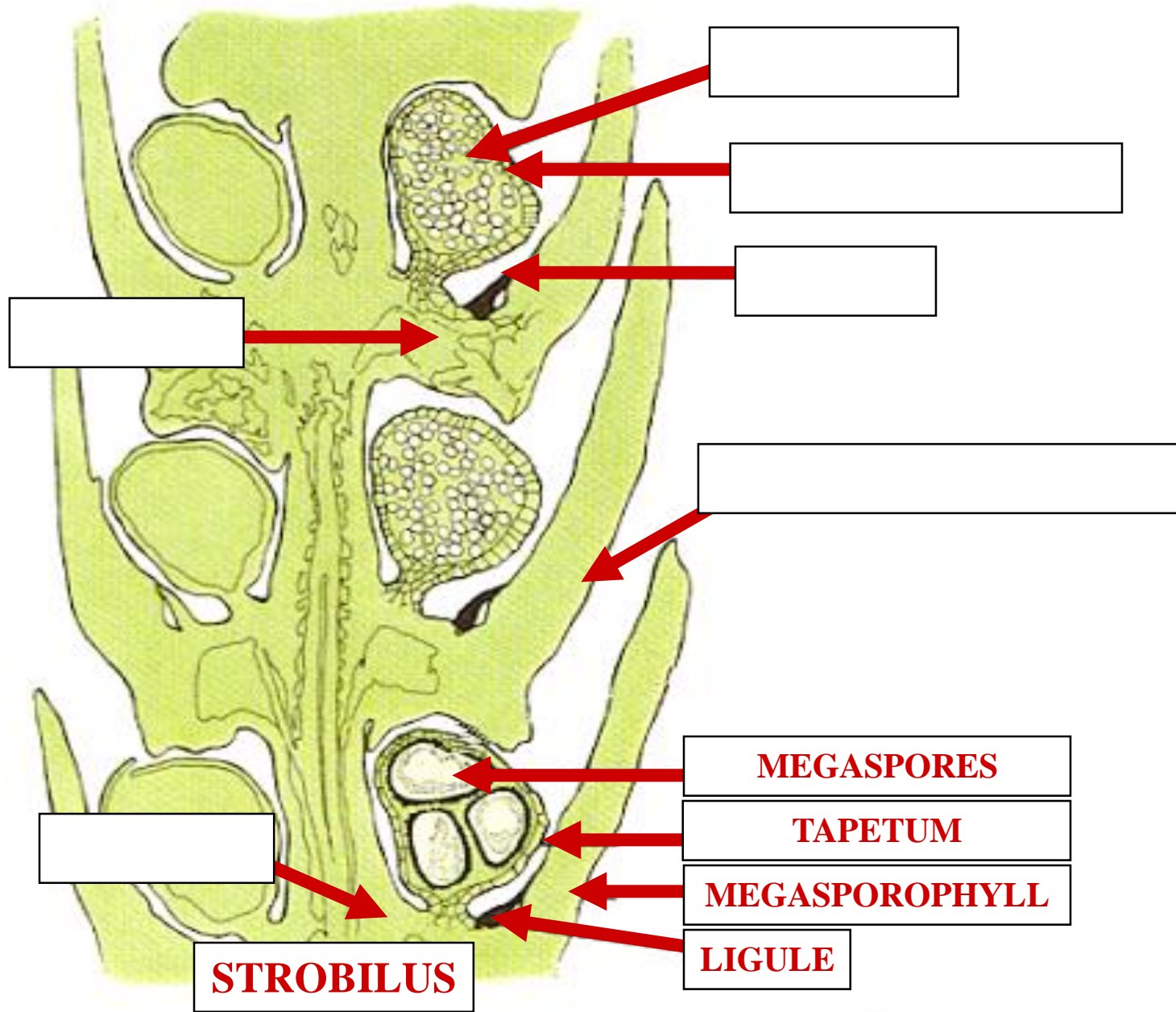
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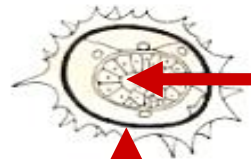
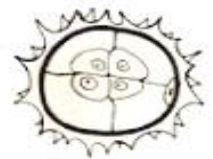
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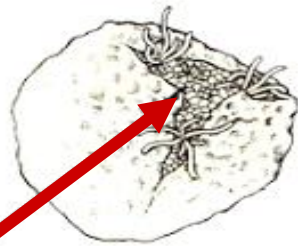
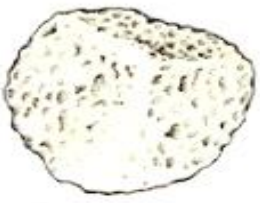
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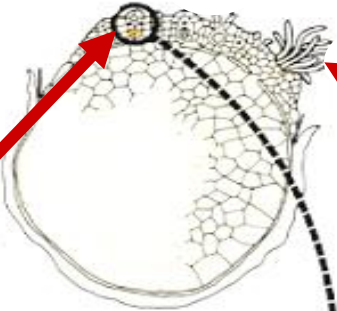
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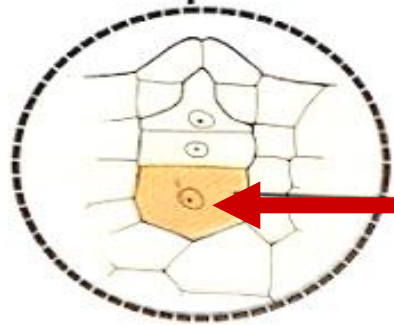
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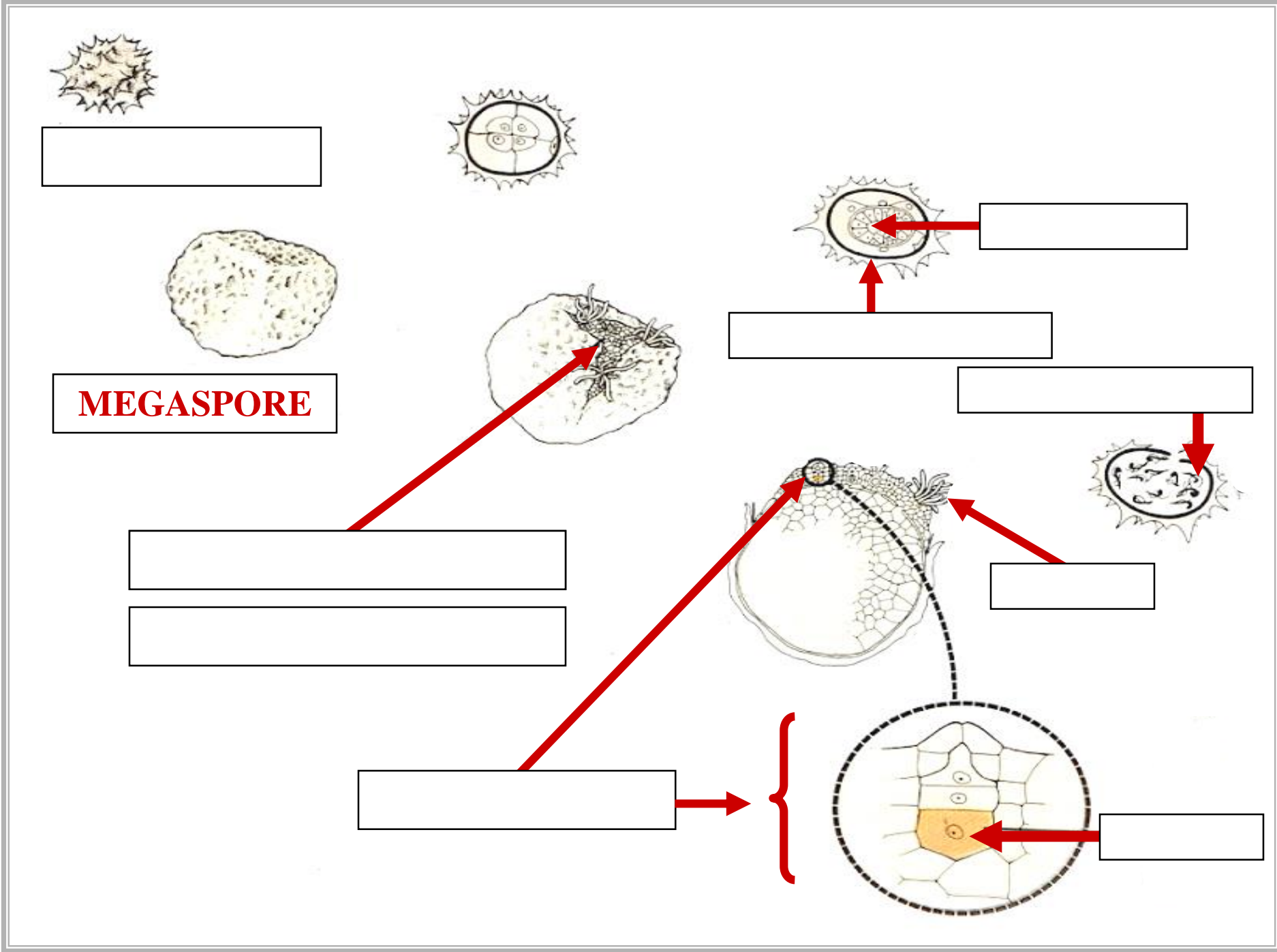


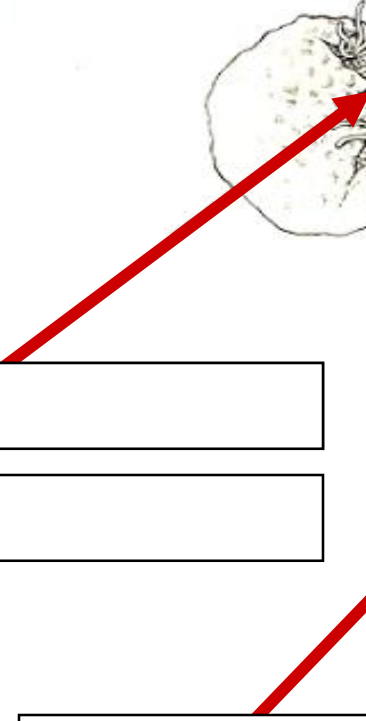
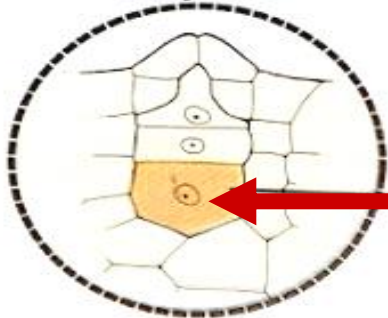
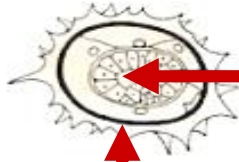
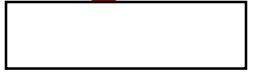
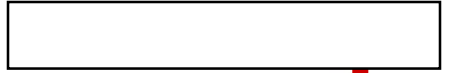
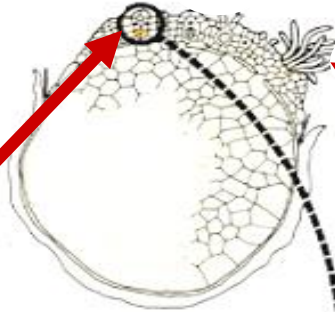
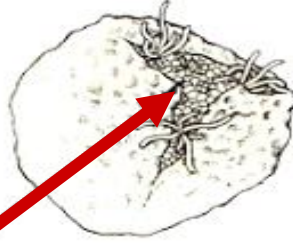
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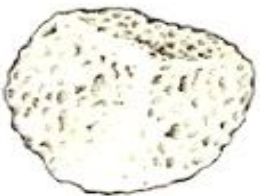
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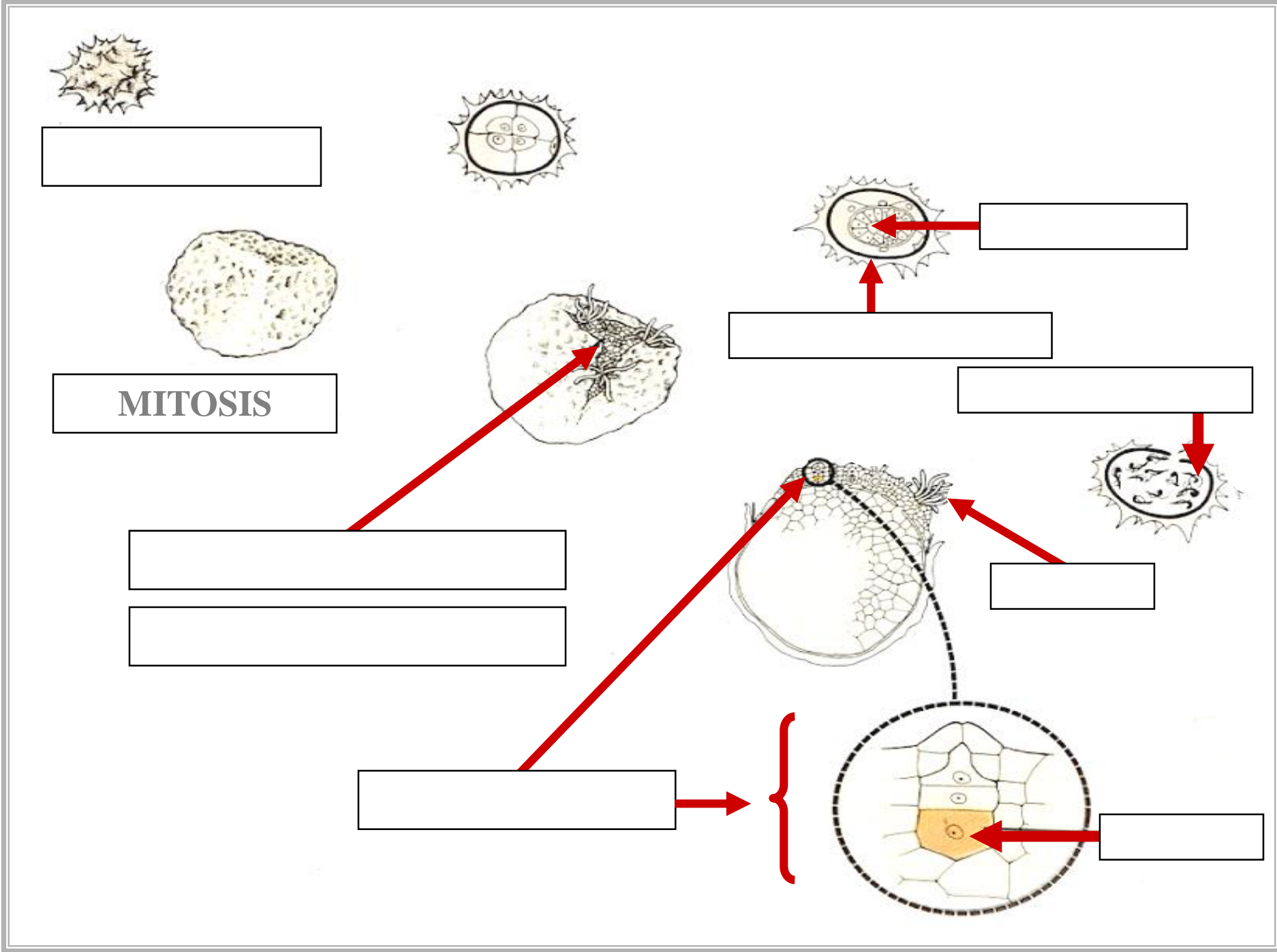
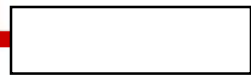
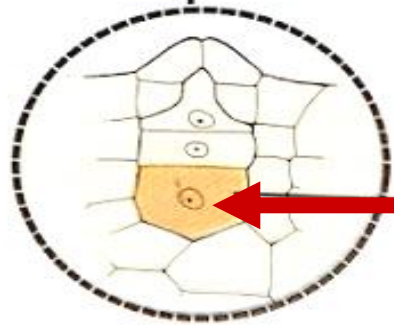
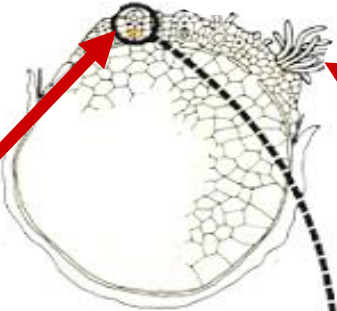
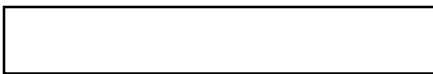
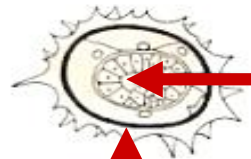
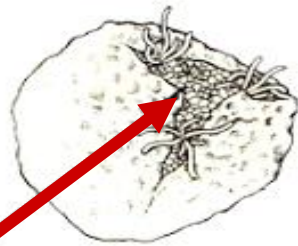
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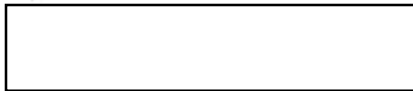




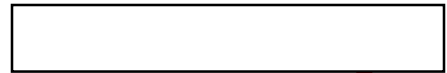
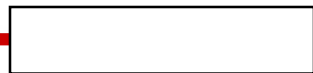
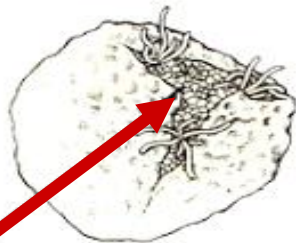


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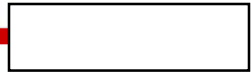
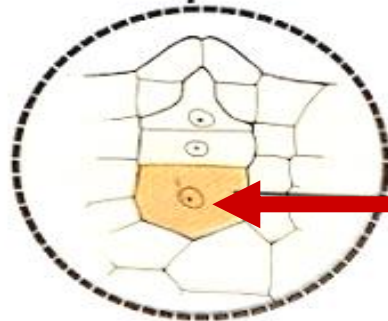
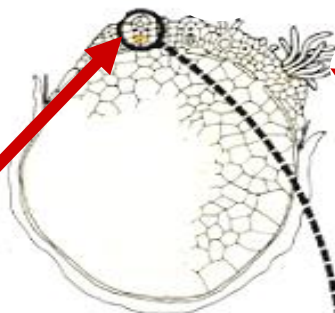
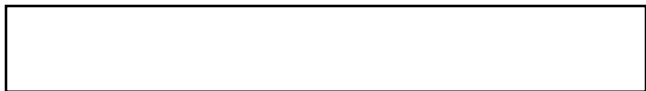


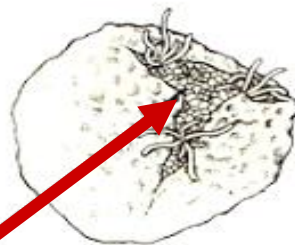
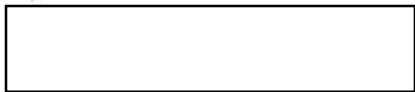


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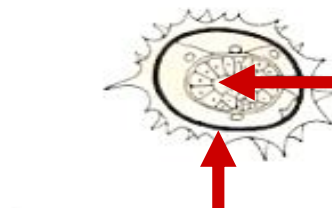
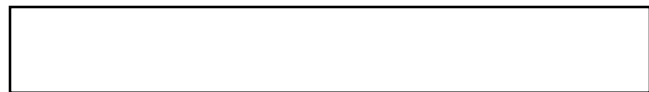


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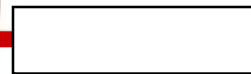
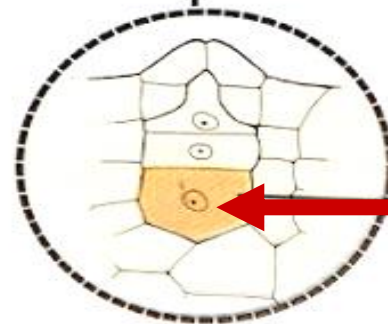
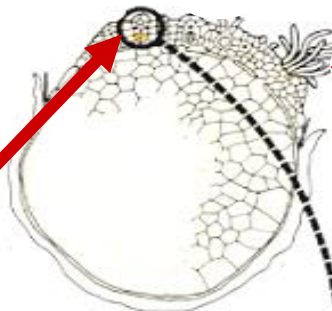
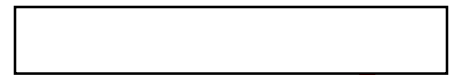
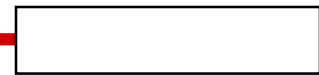


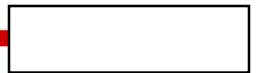
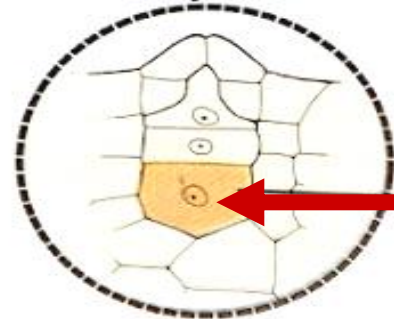
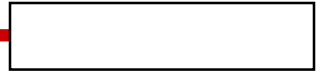
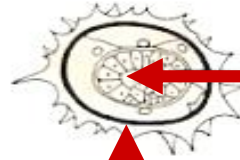
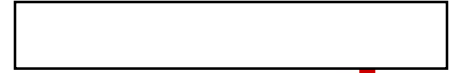
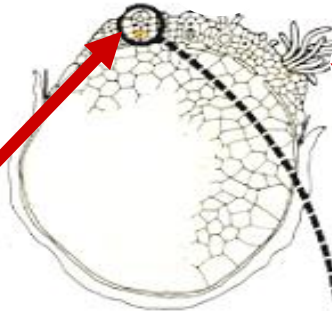
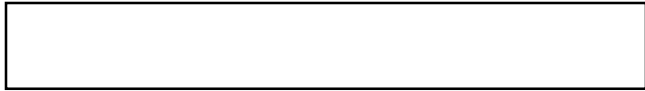
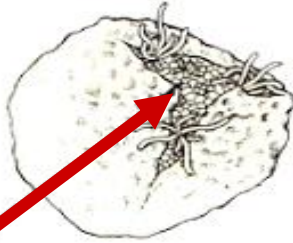


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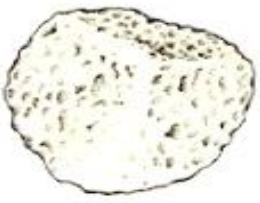
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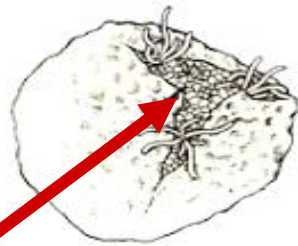




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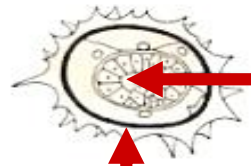


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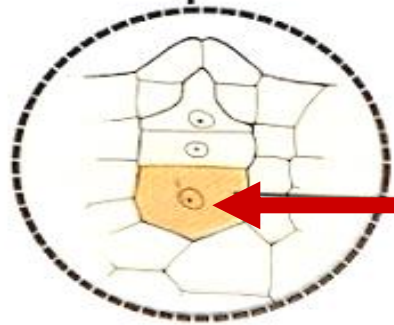
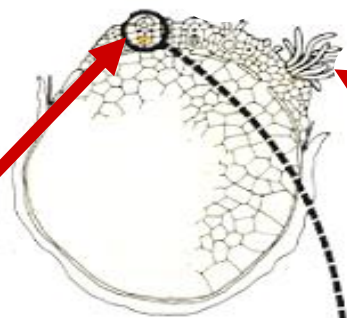


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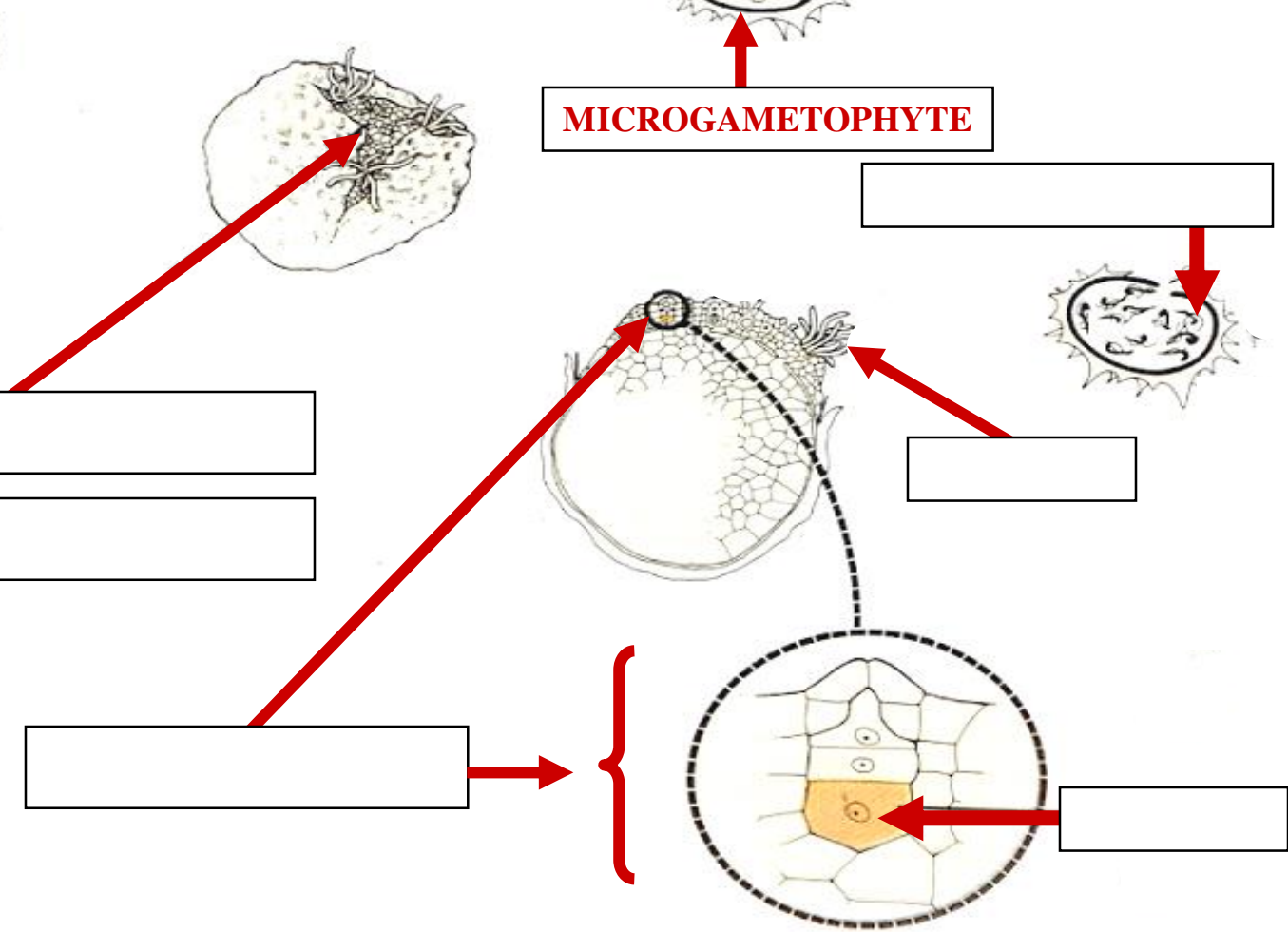
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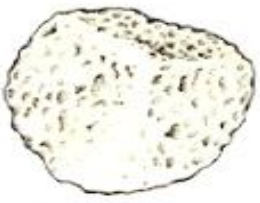


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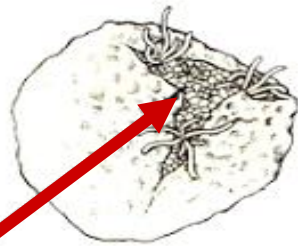




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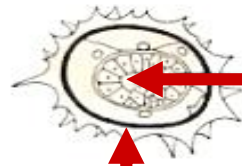
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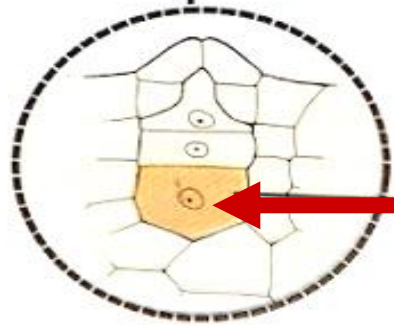
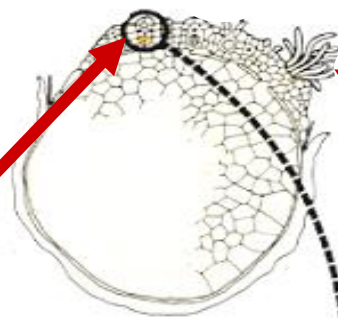
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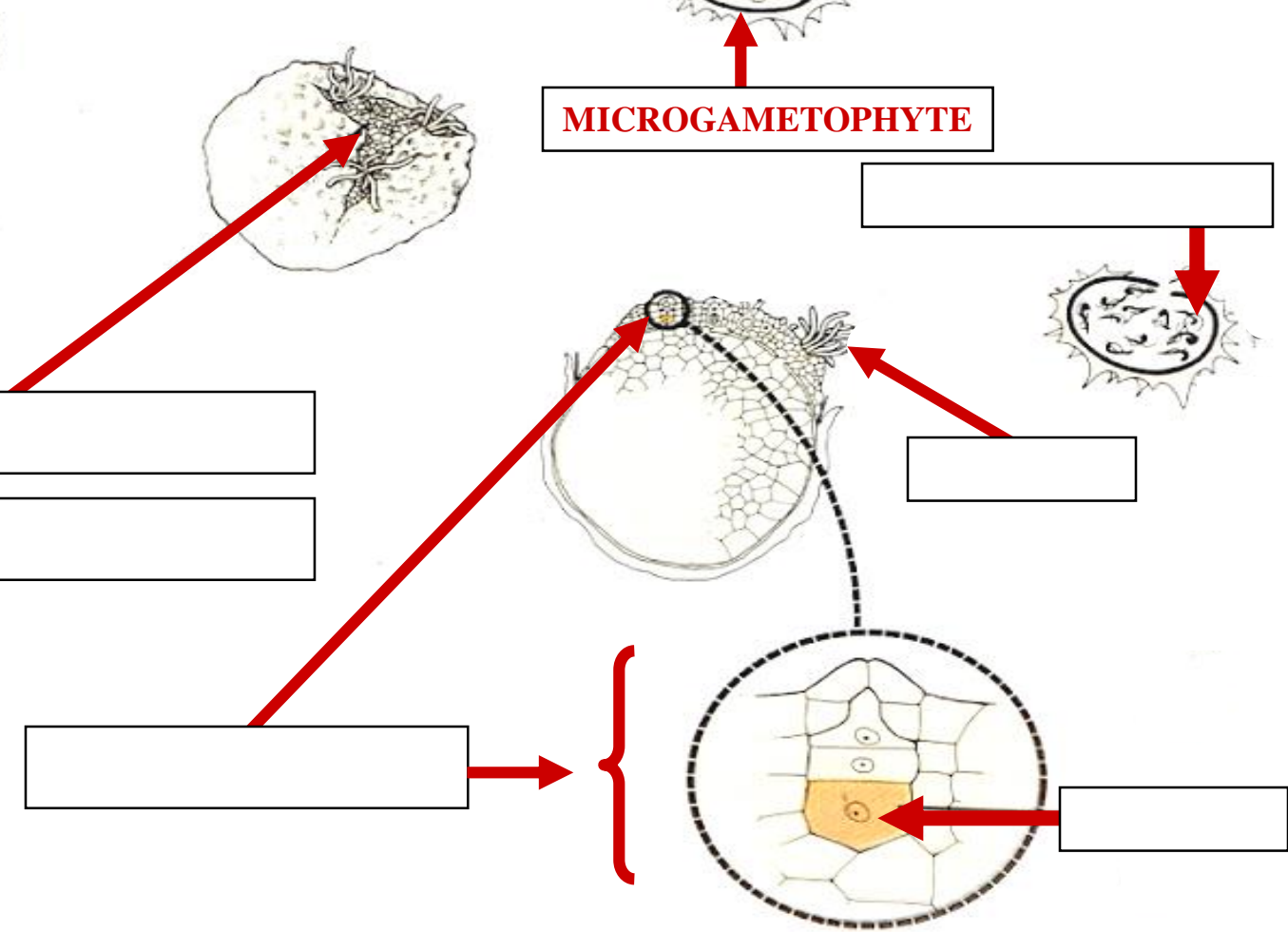
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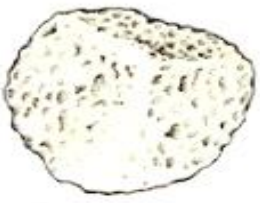


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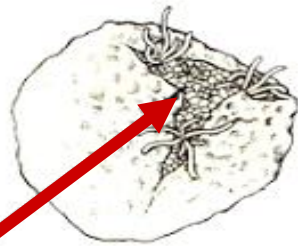




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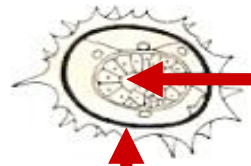
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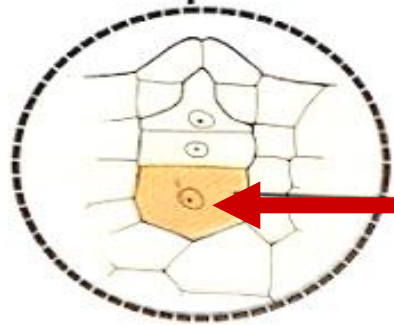
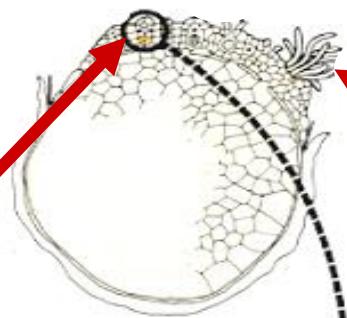
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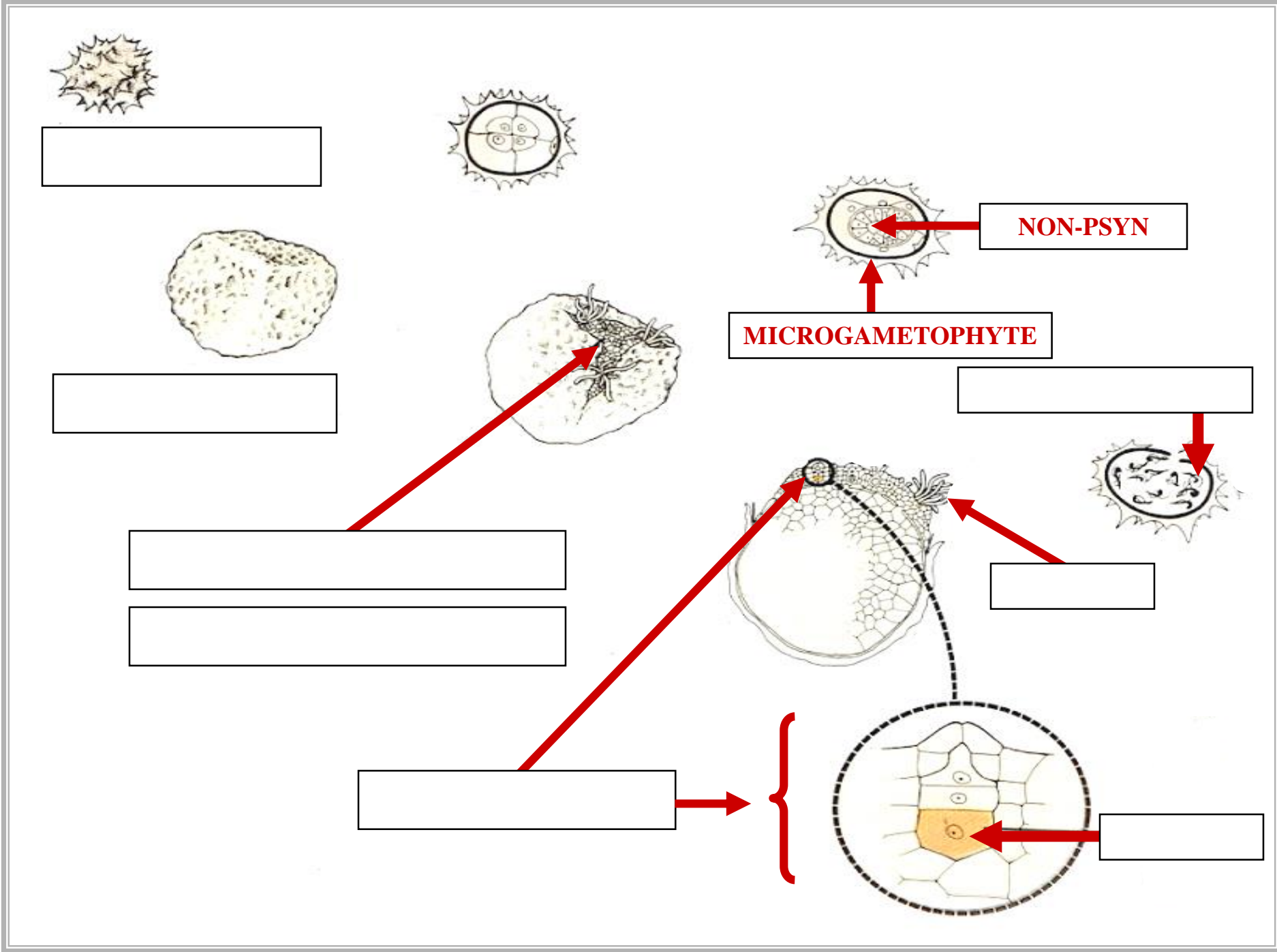
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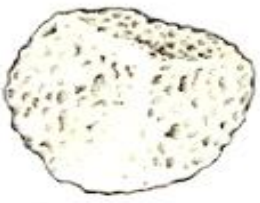
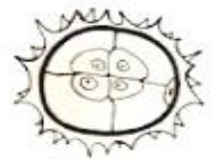


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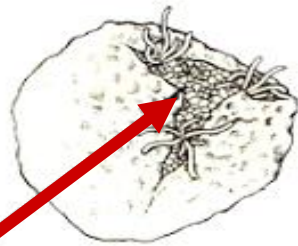




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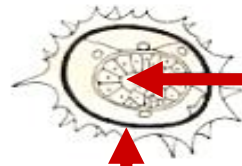
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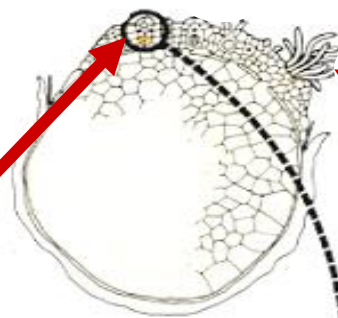
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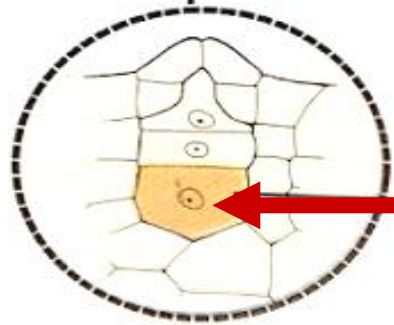
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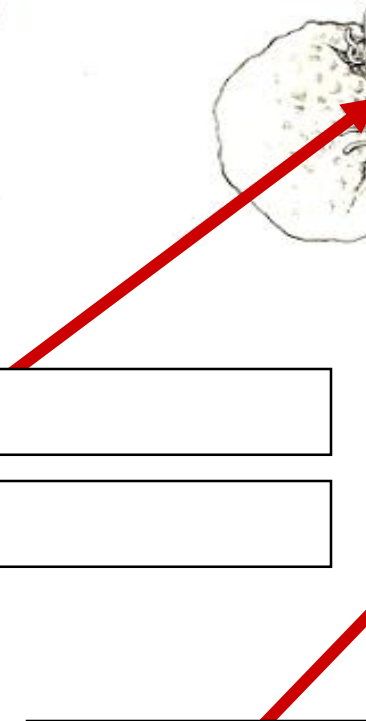
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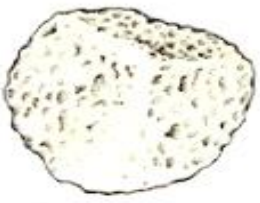


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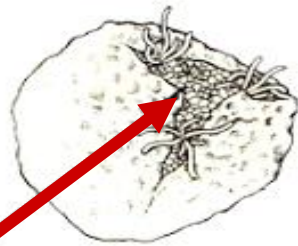




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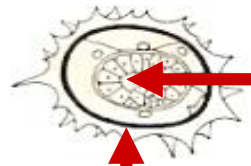
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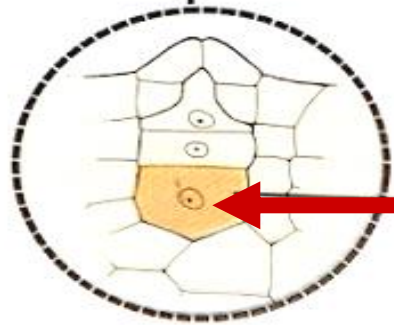
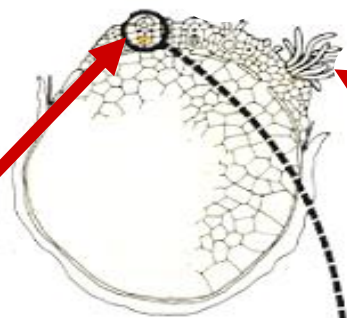
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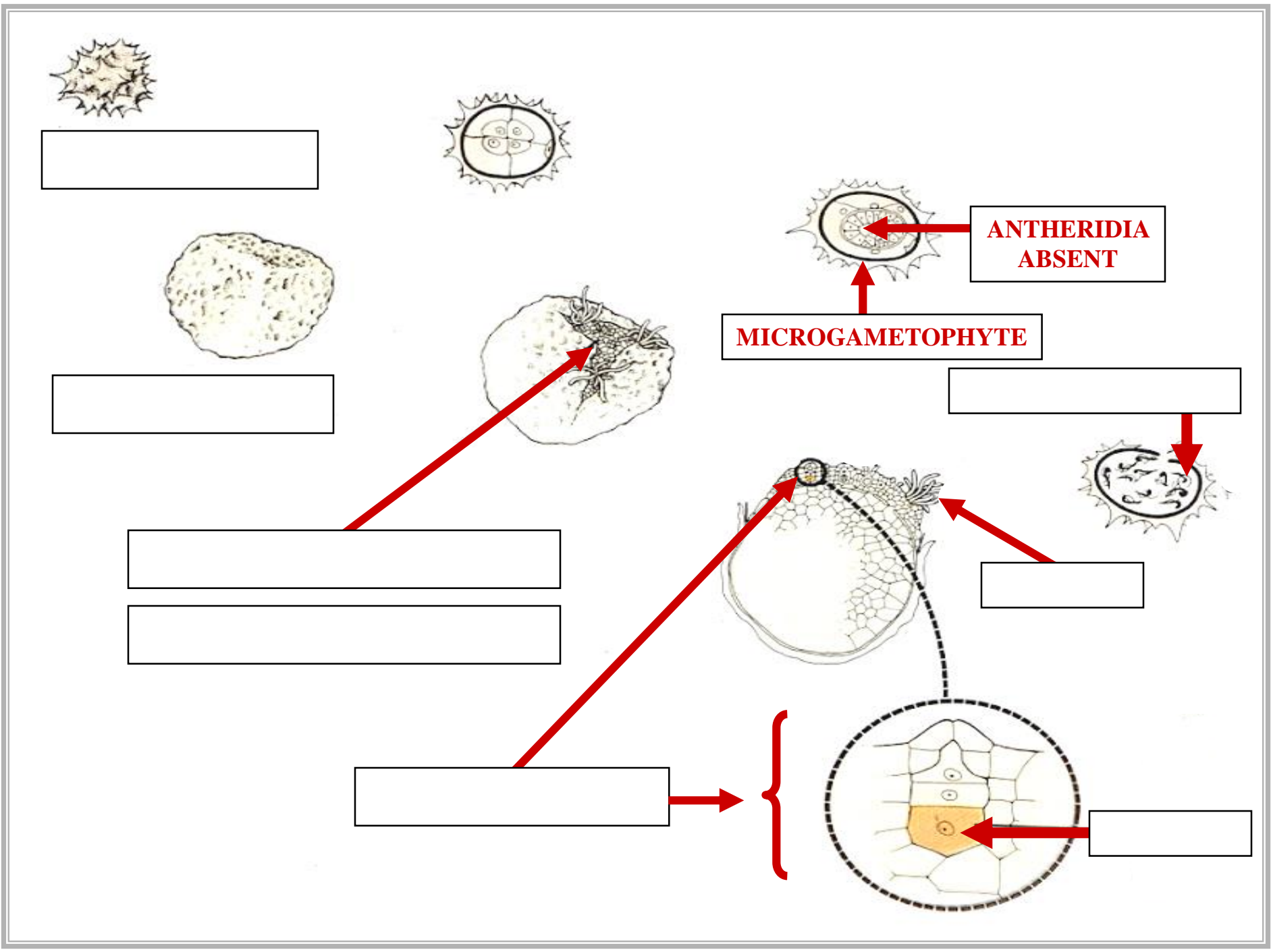
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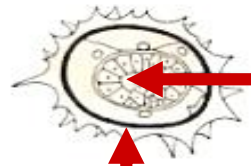
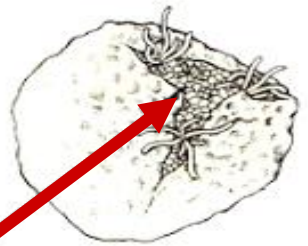
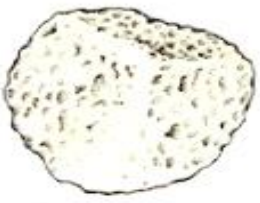


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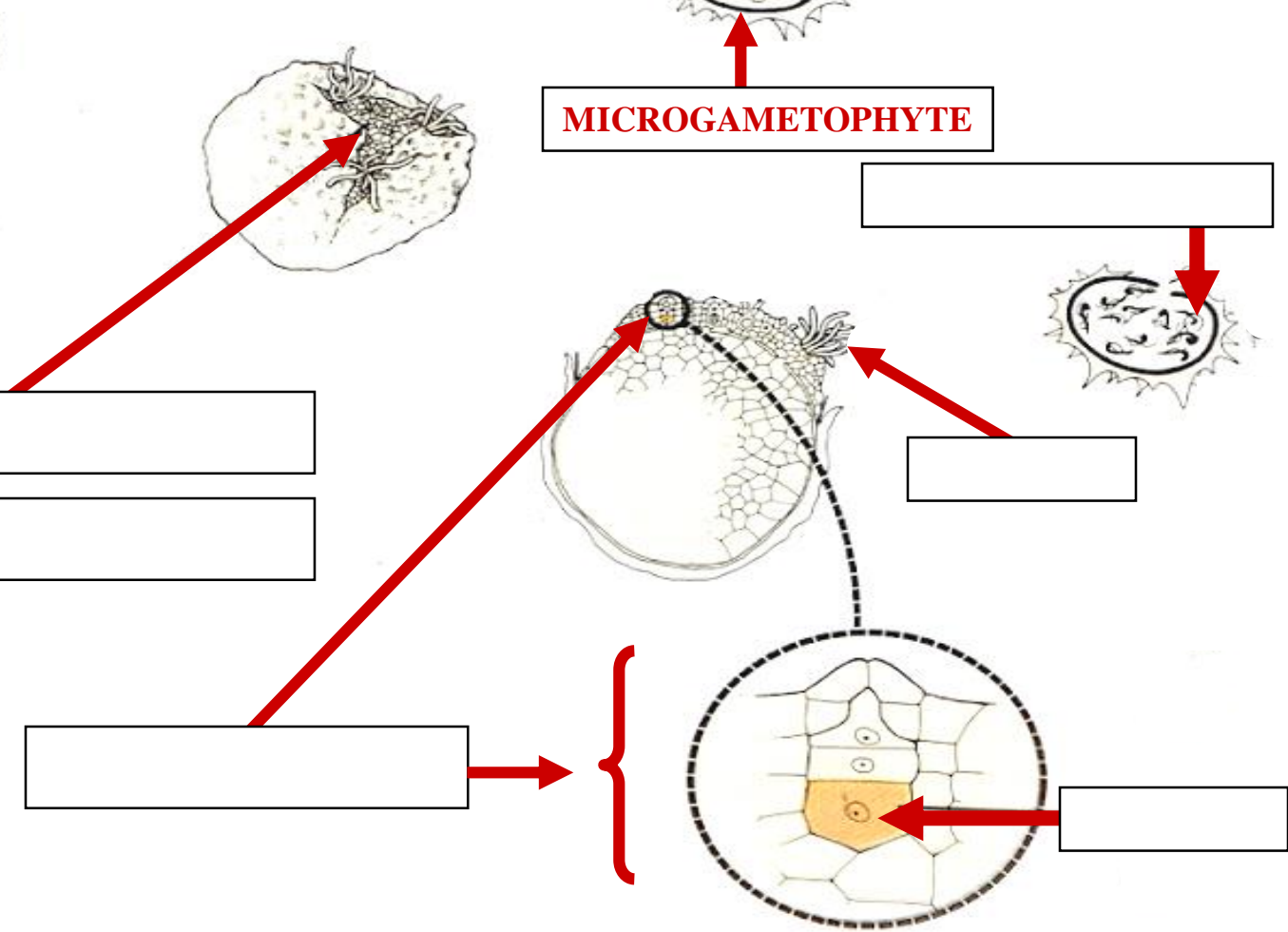
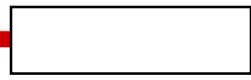
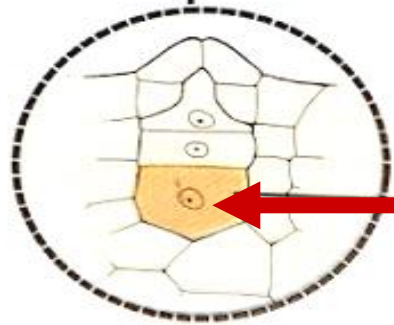
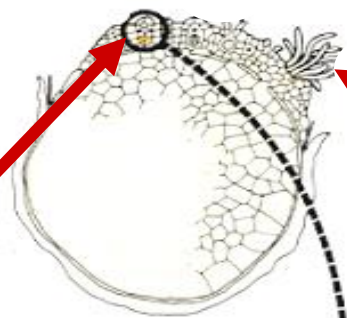
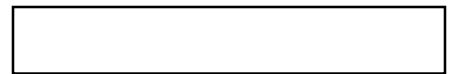
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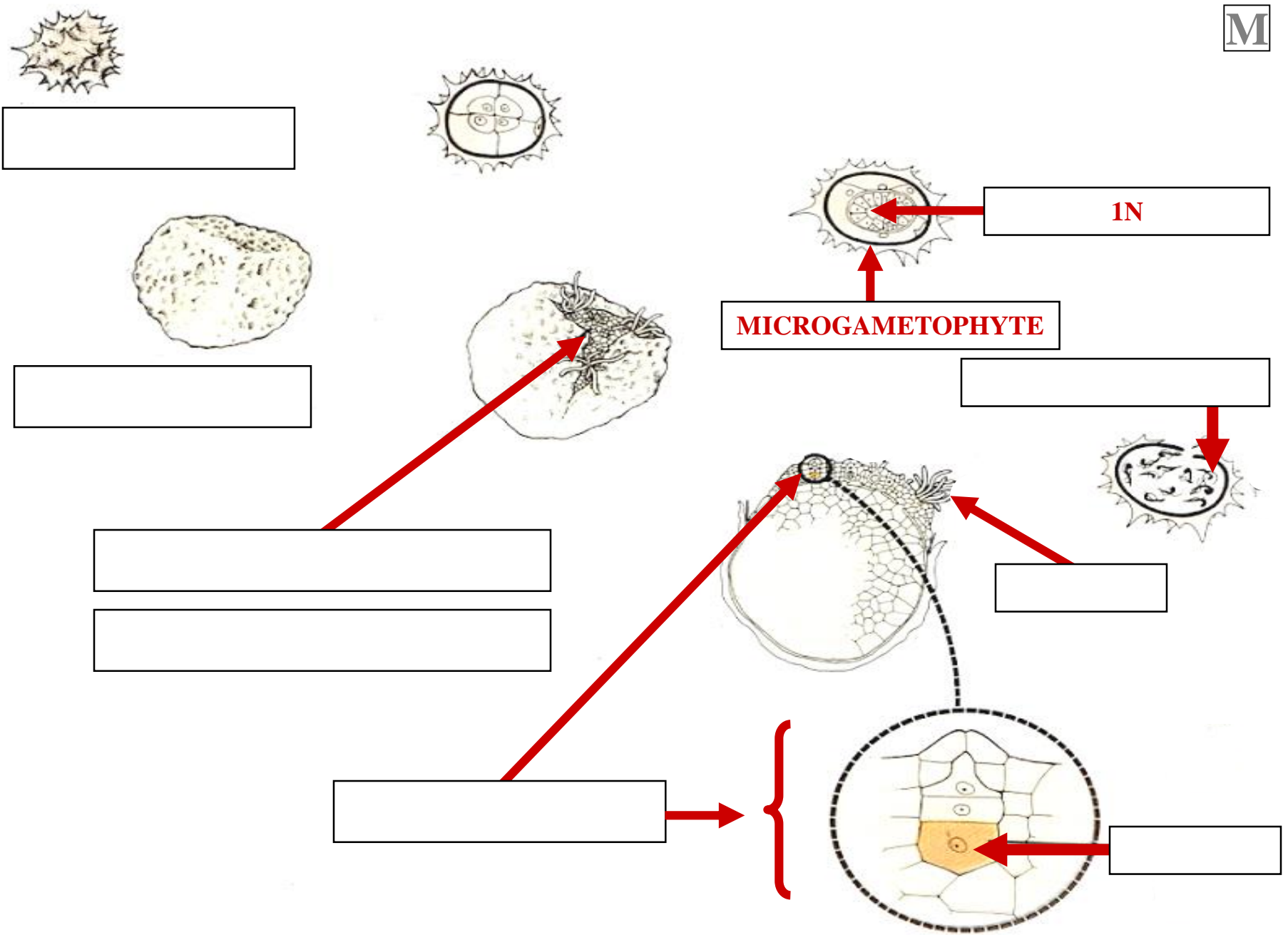




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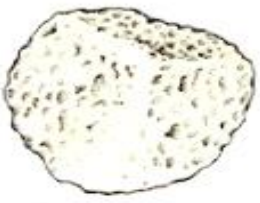
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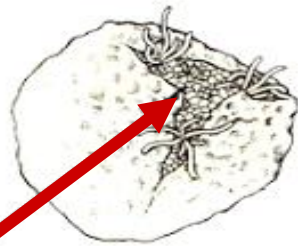




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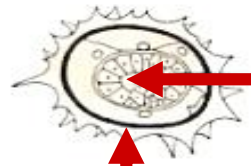
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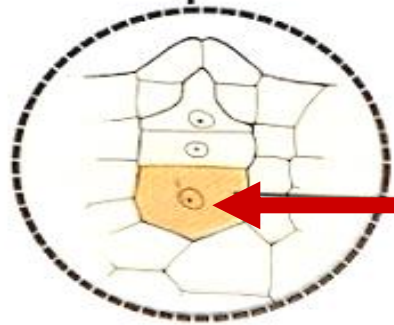
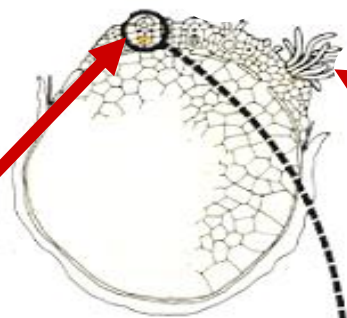
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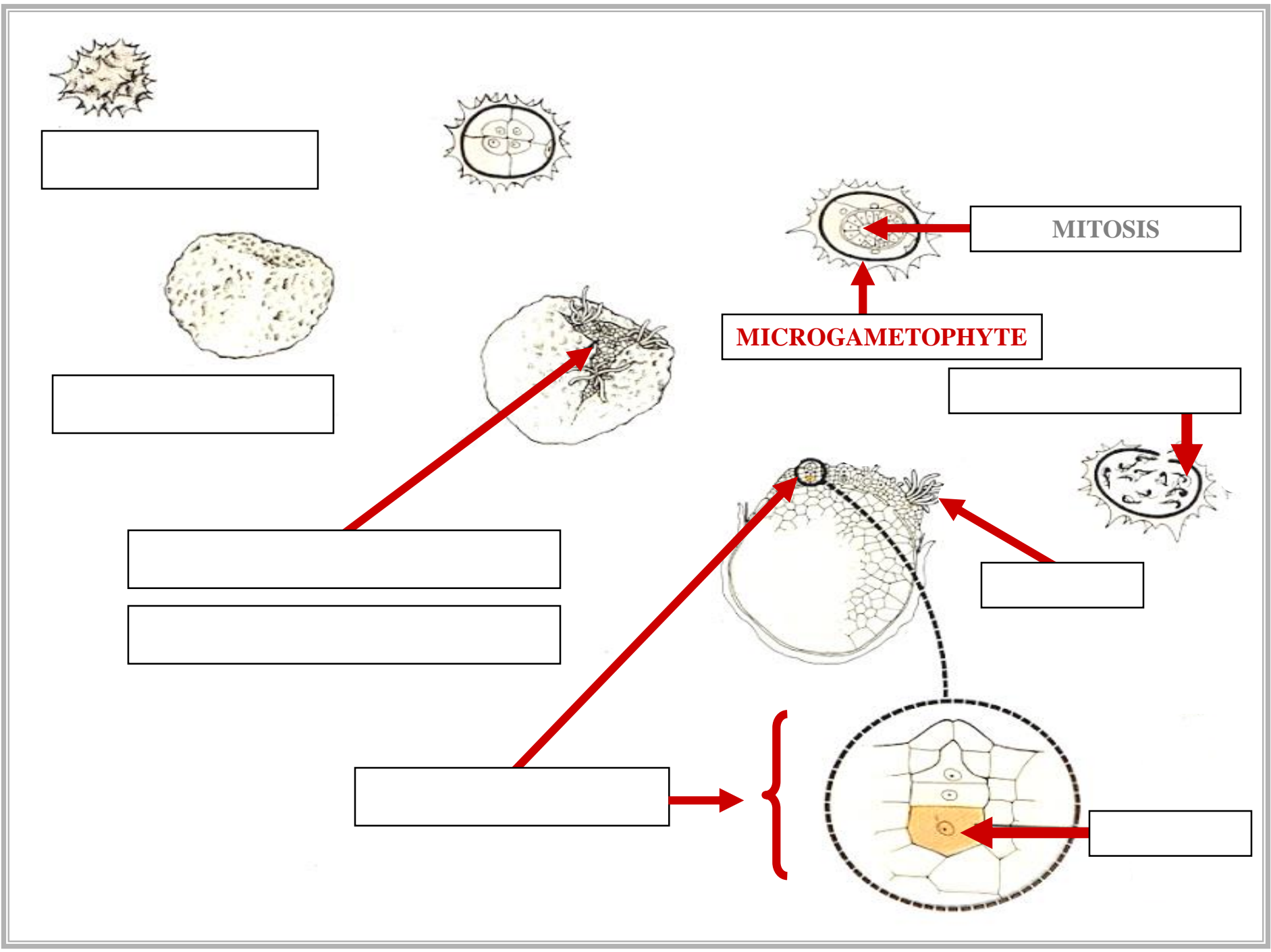
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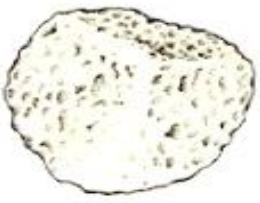


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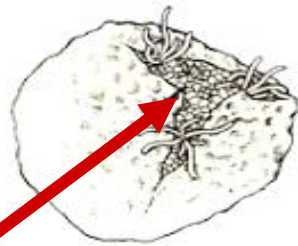




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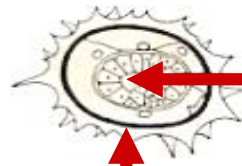
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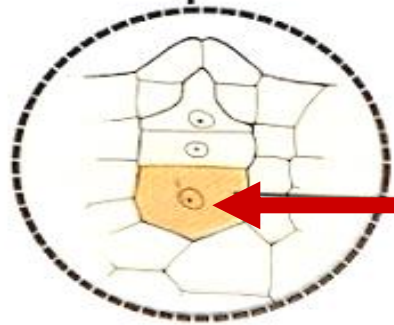
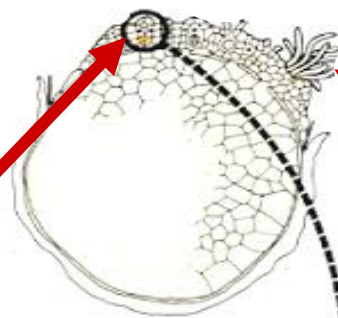
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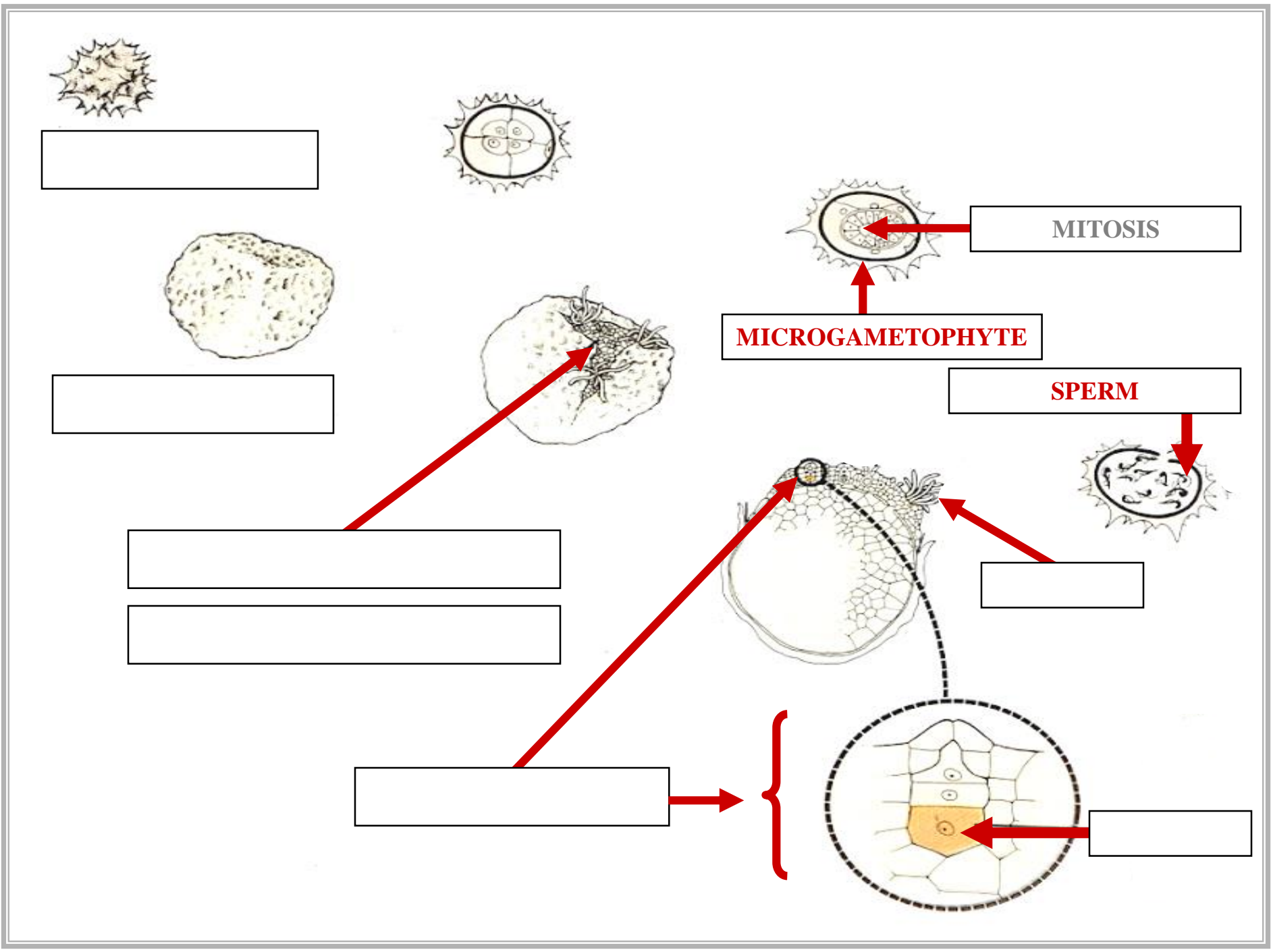
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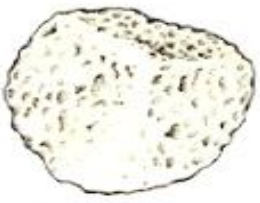


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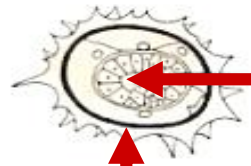
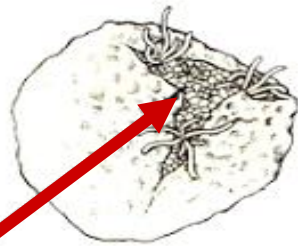




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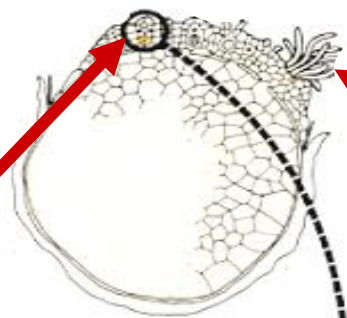
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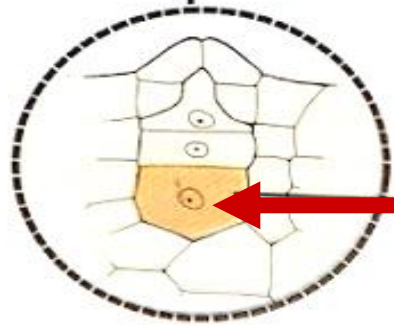
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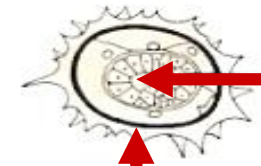
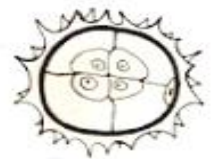
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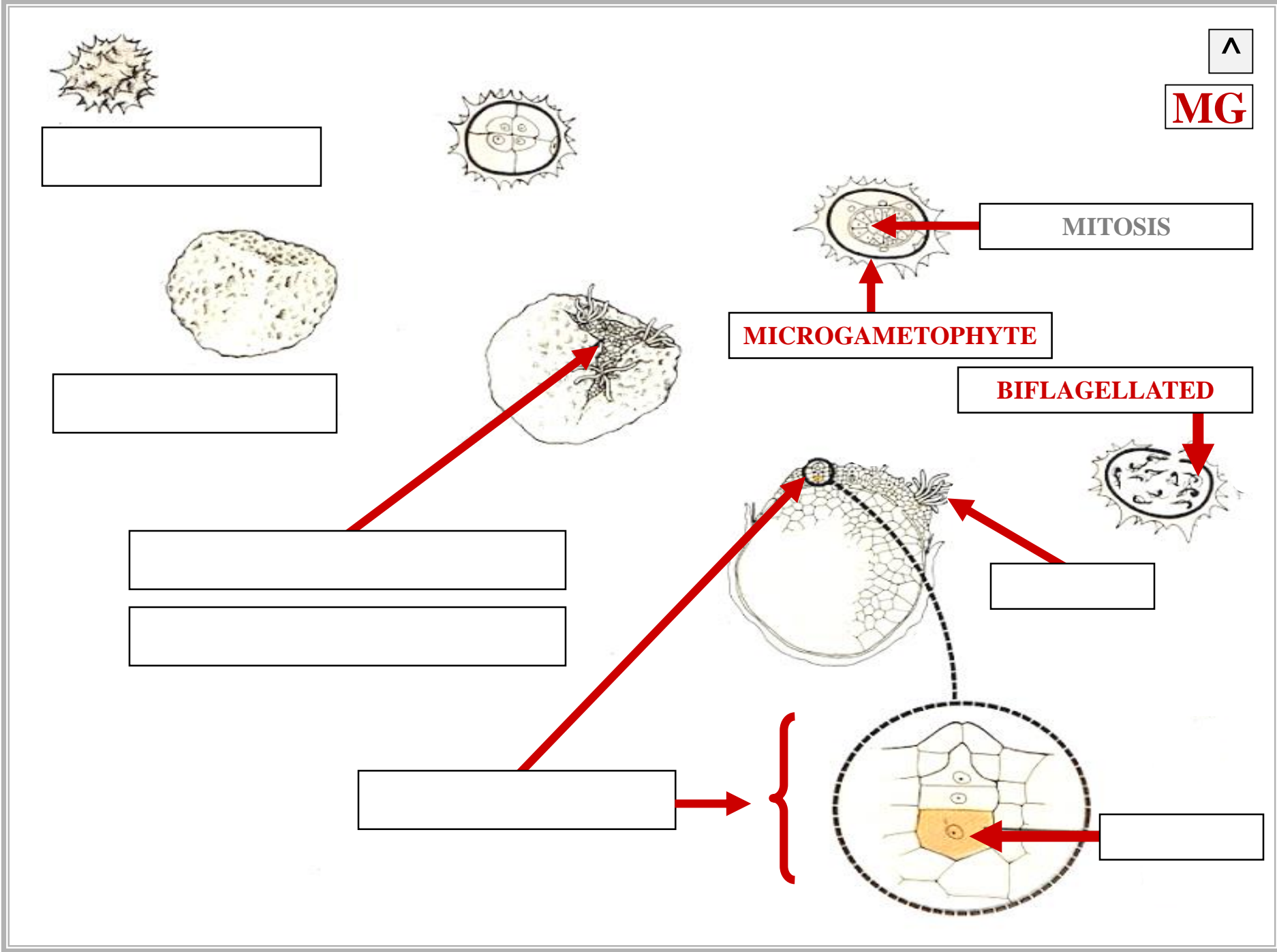
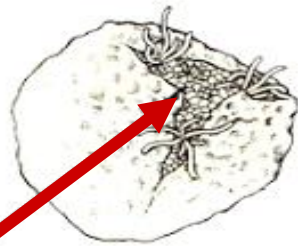
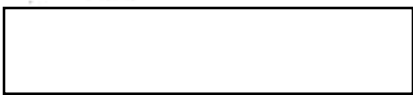
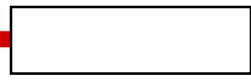
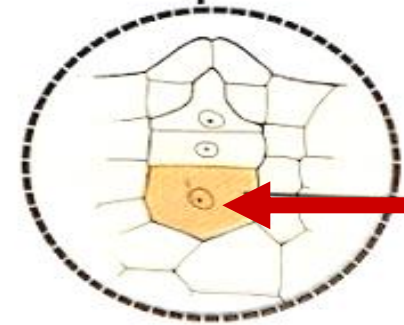
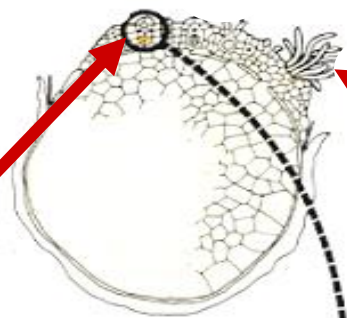
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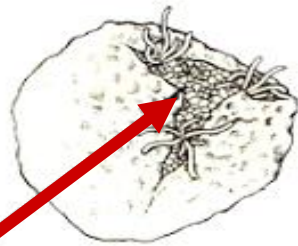
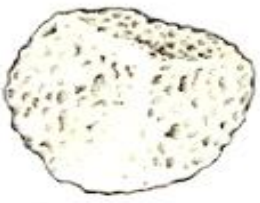
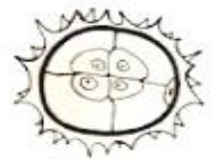


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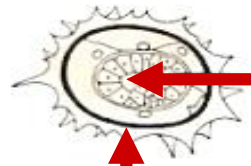
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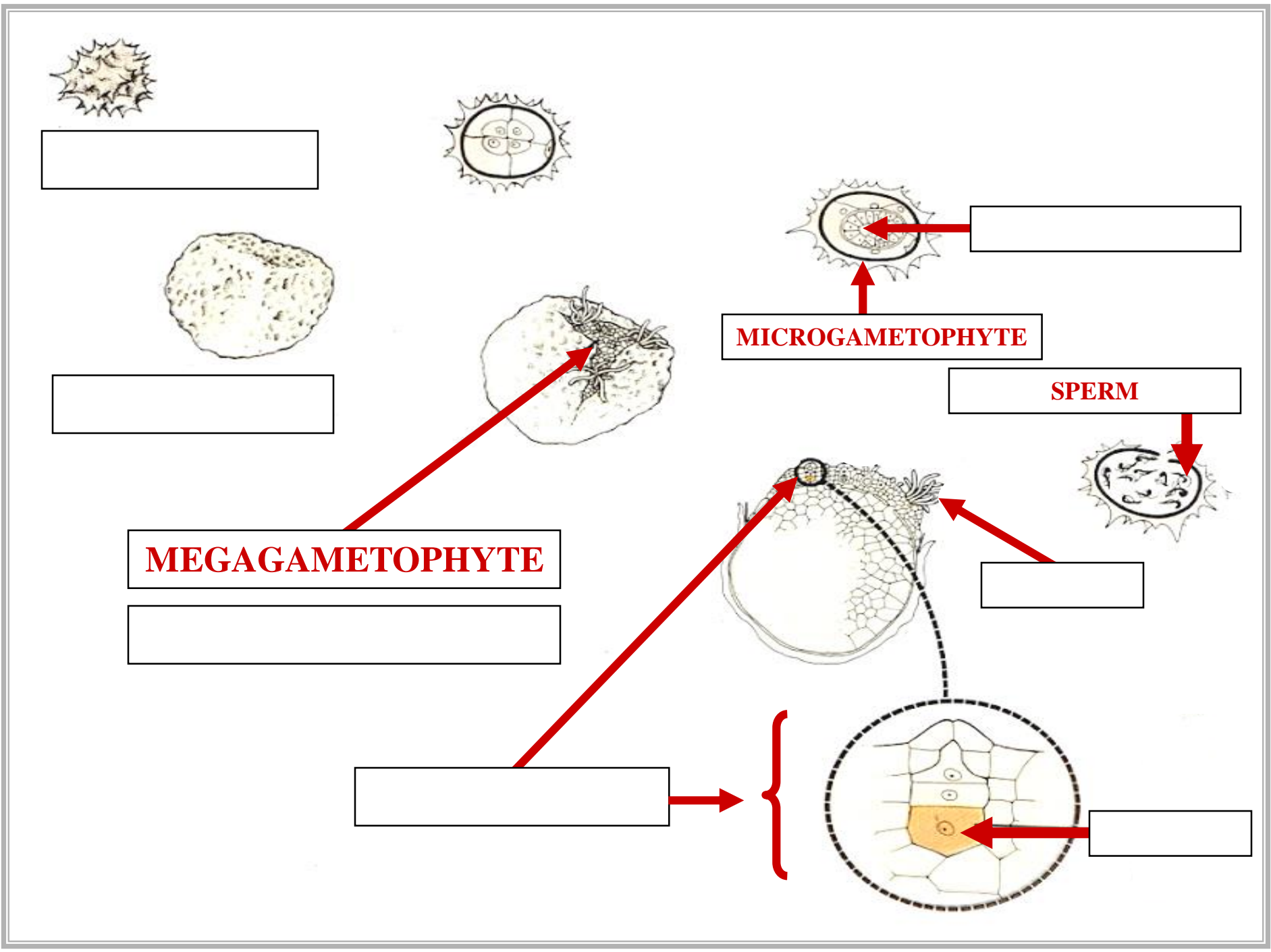
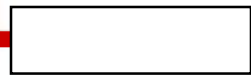
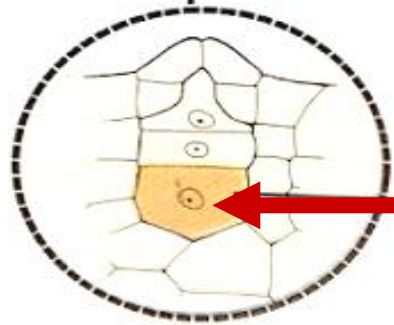
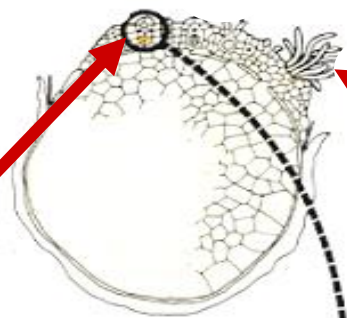


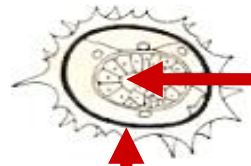
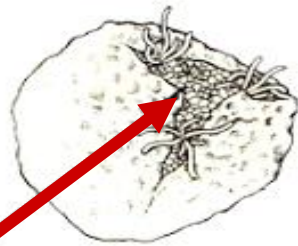
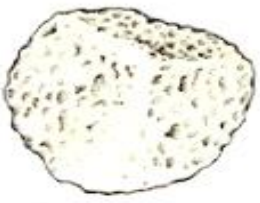
MEGAGAMETOPHYTE



MICROGAMETOPHYTE

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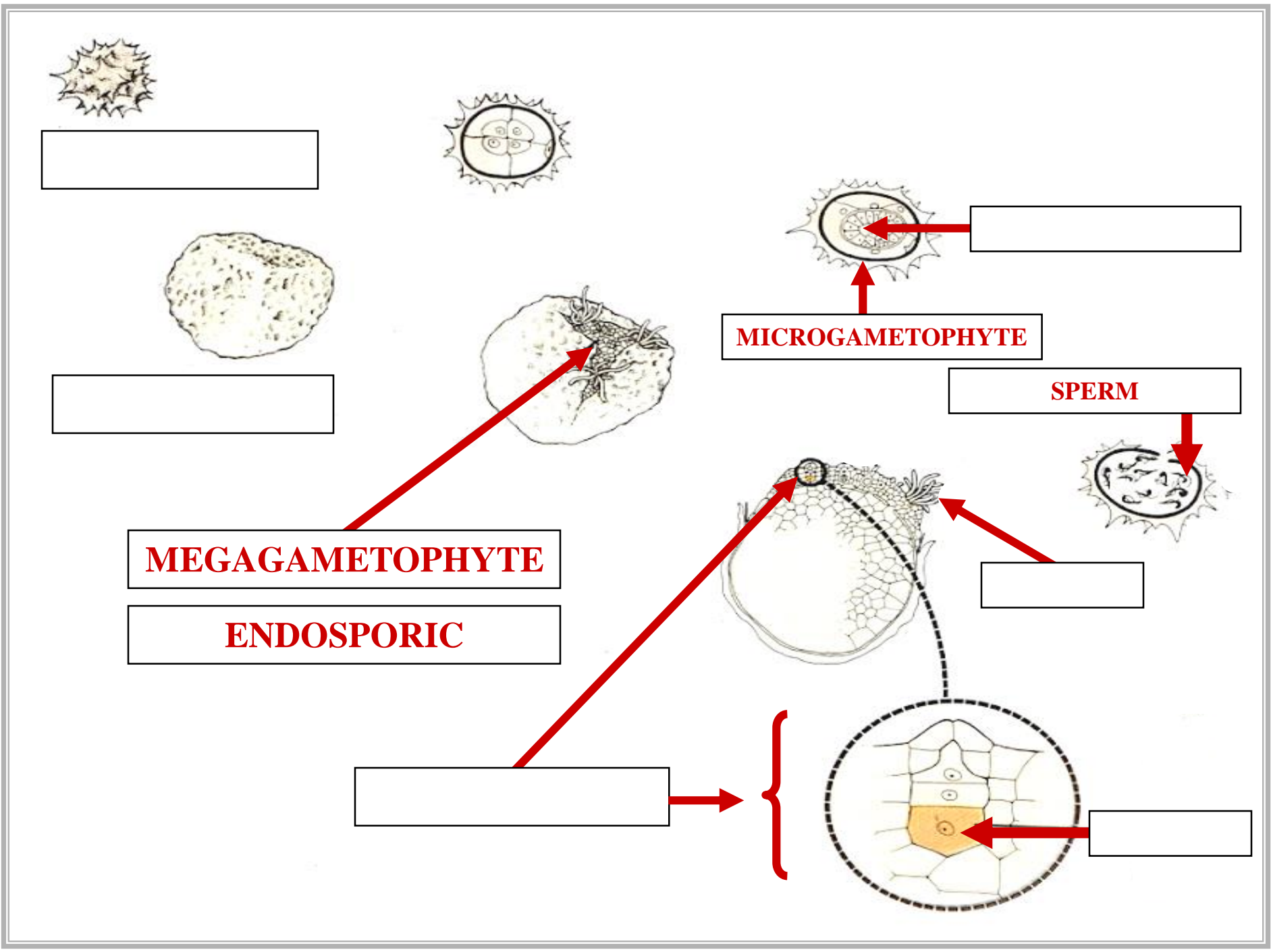
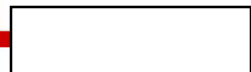
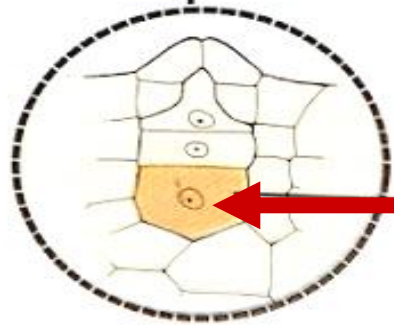
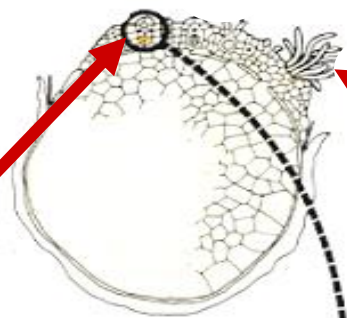


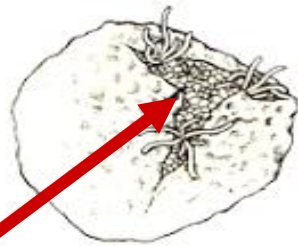
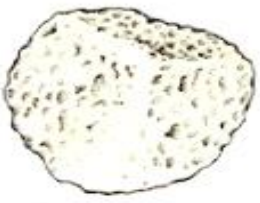
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SPERM

MEGAGAMETOPHYTE

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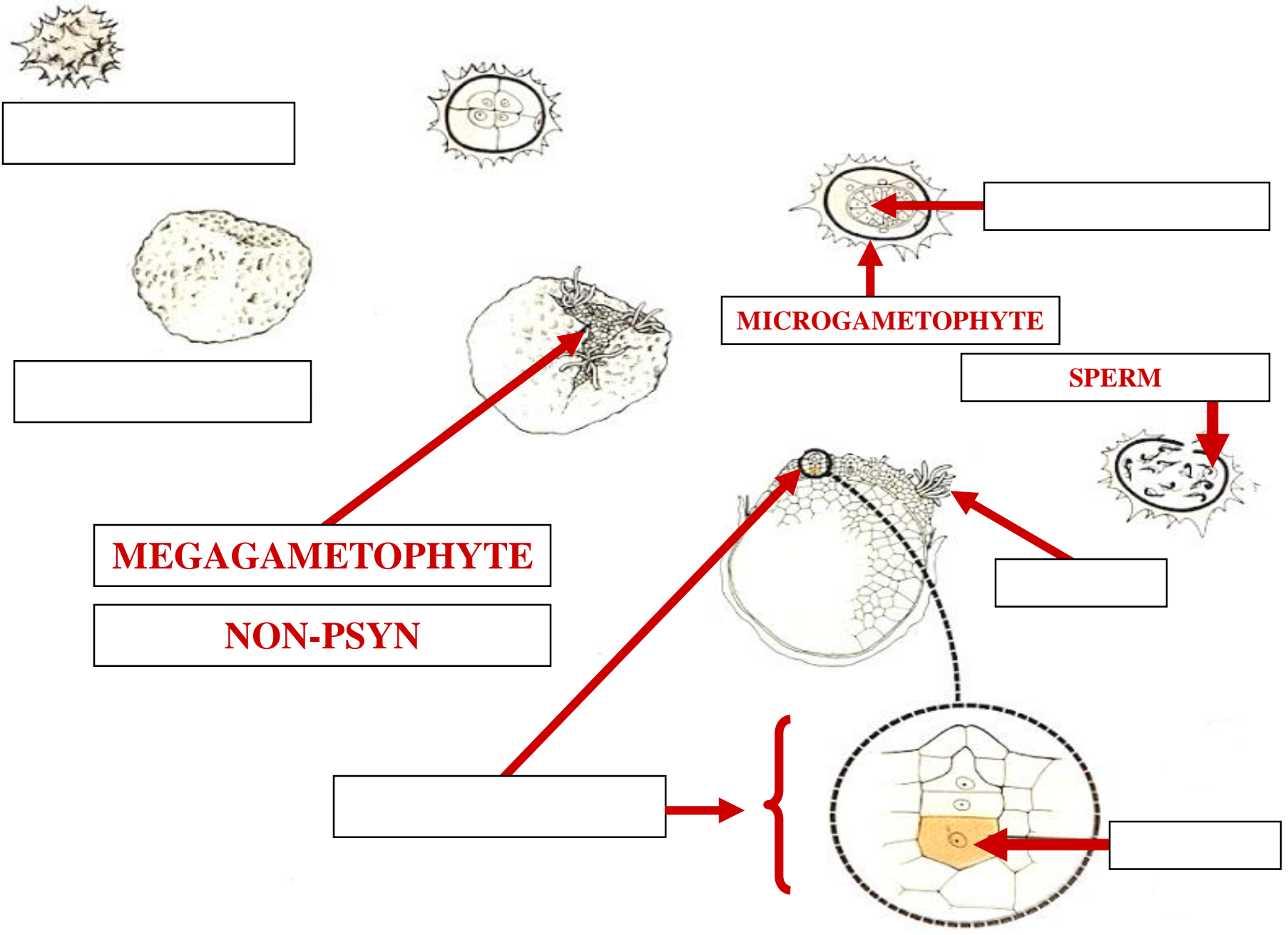
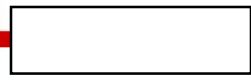
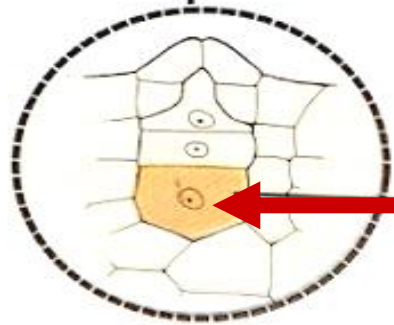
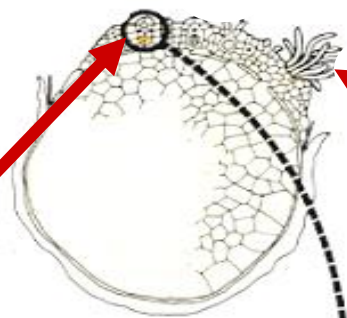


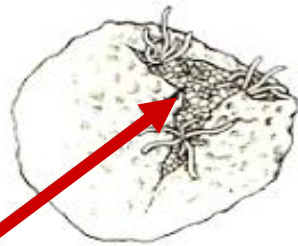
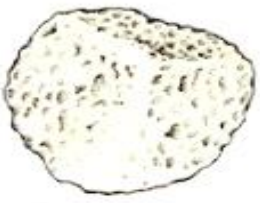
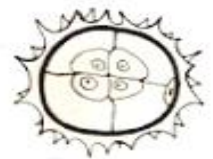
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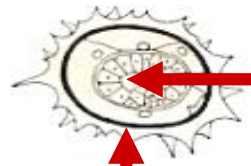
SPERM





MEGAGAMETOPHYTE

RHIZOIDS PRESENT

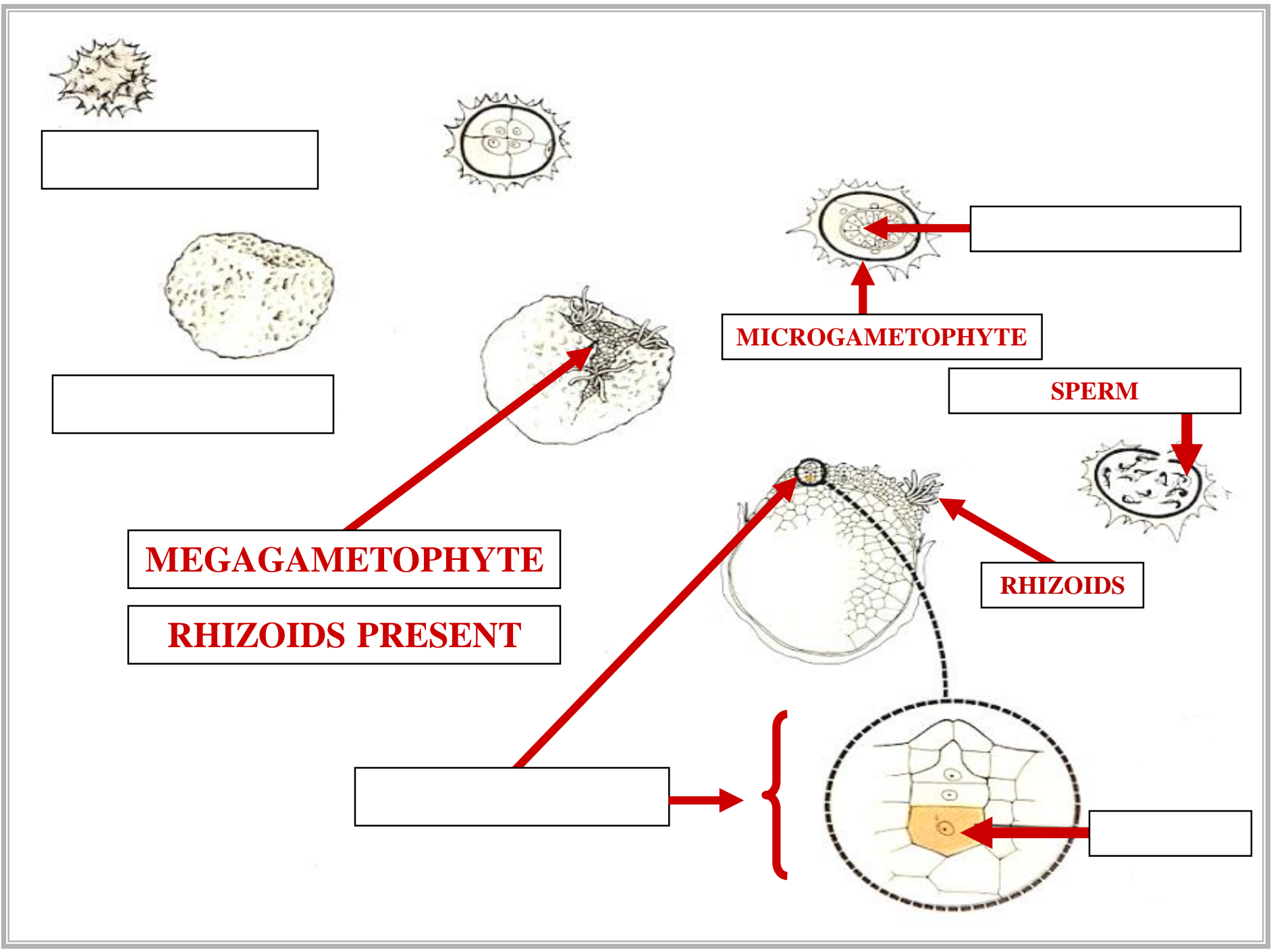
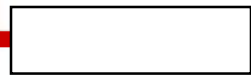
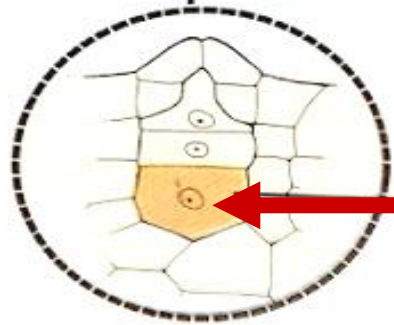
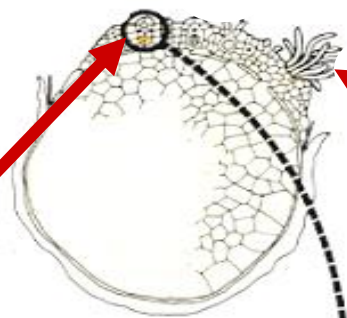


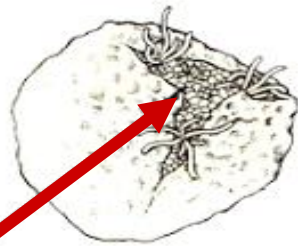
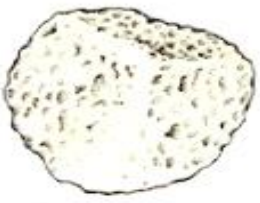
MICROGAMETOPHYTE

SPERM



RHIZOIDS





MEGAGAMETOPHYTE

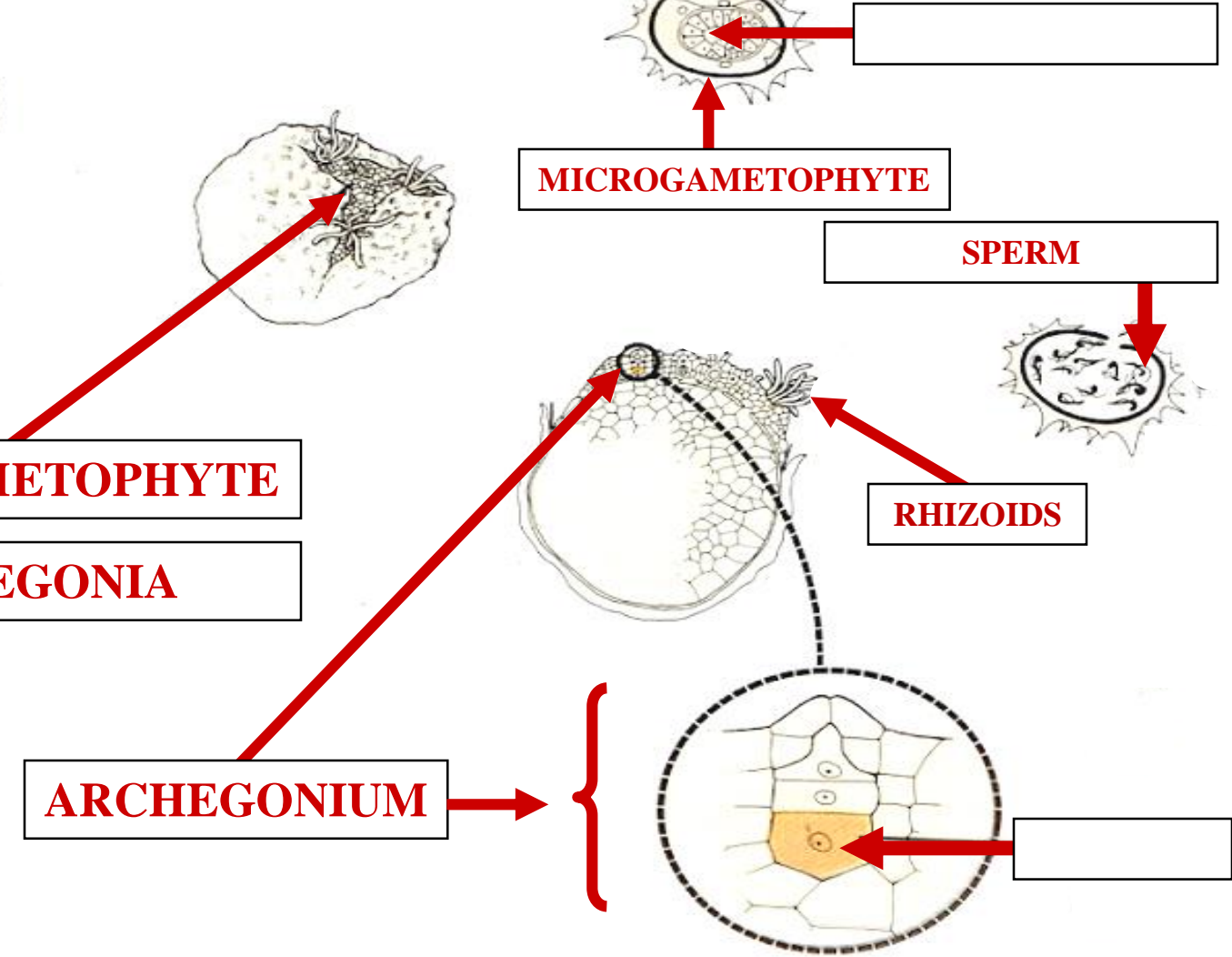
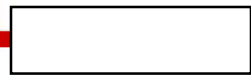
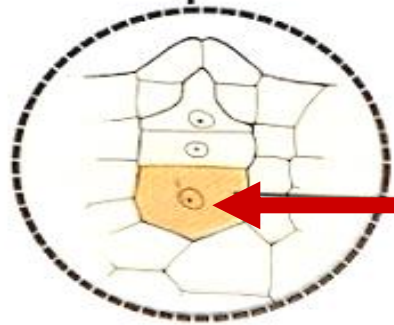
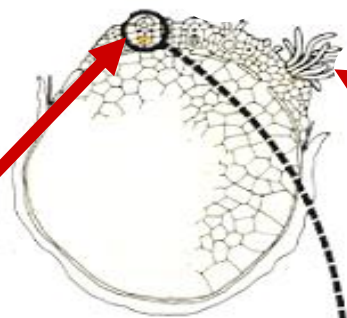
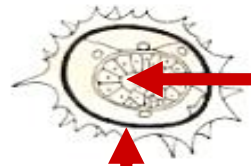
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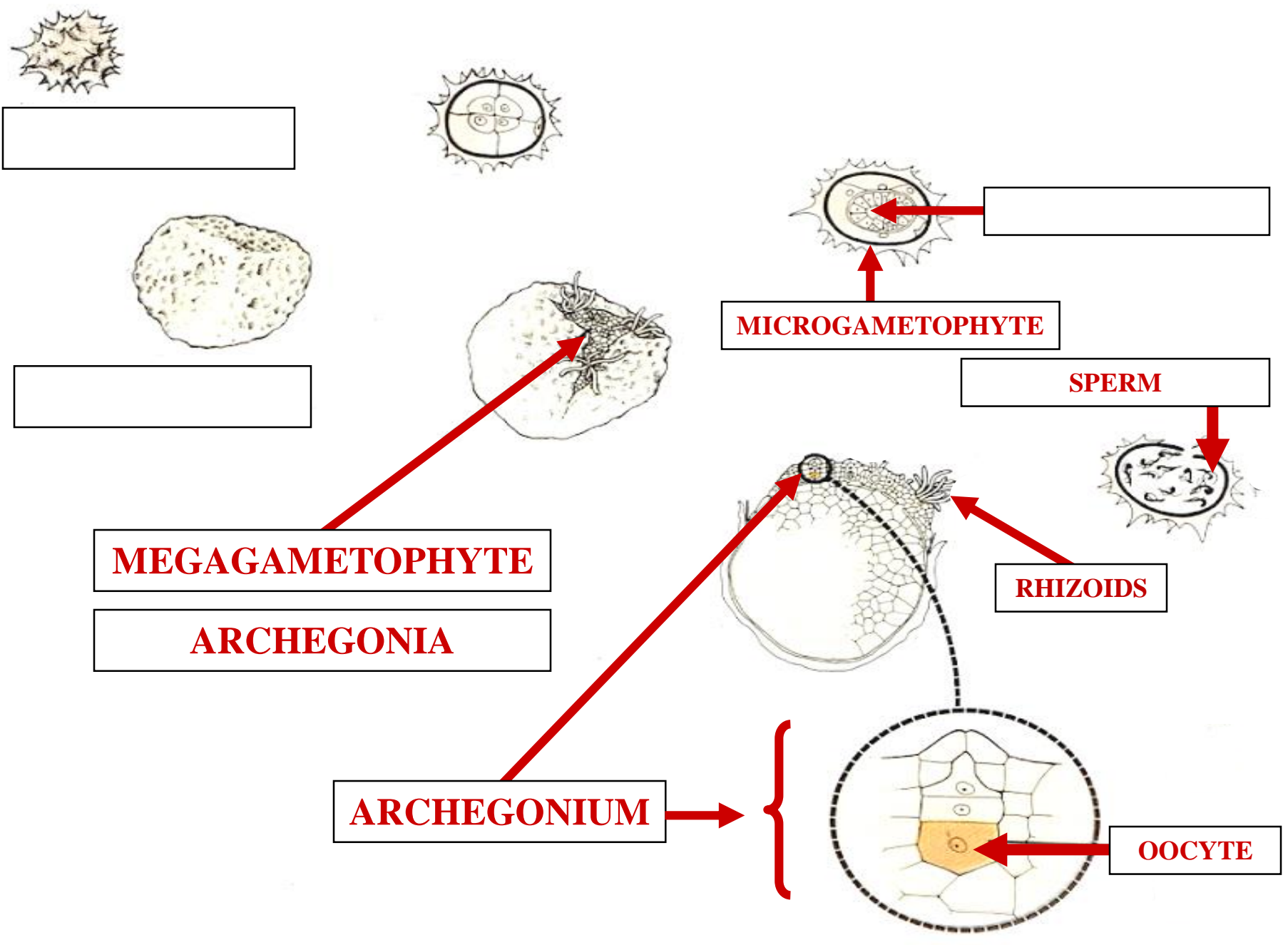
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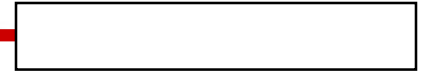
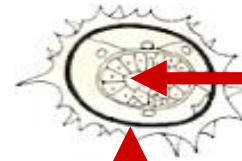
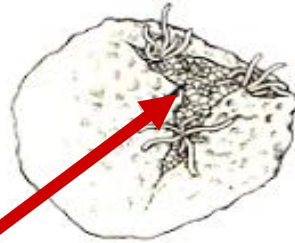
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RHIZOIDS







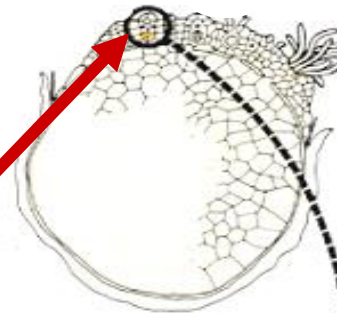
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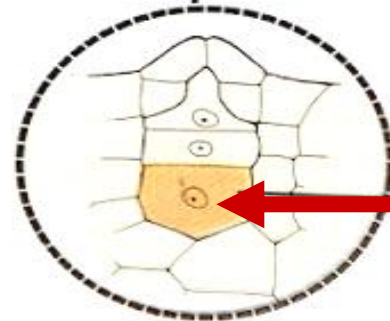
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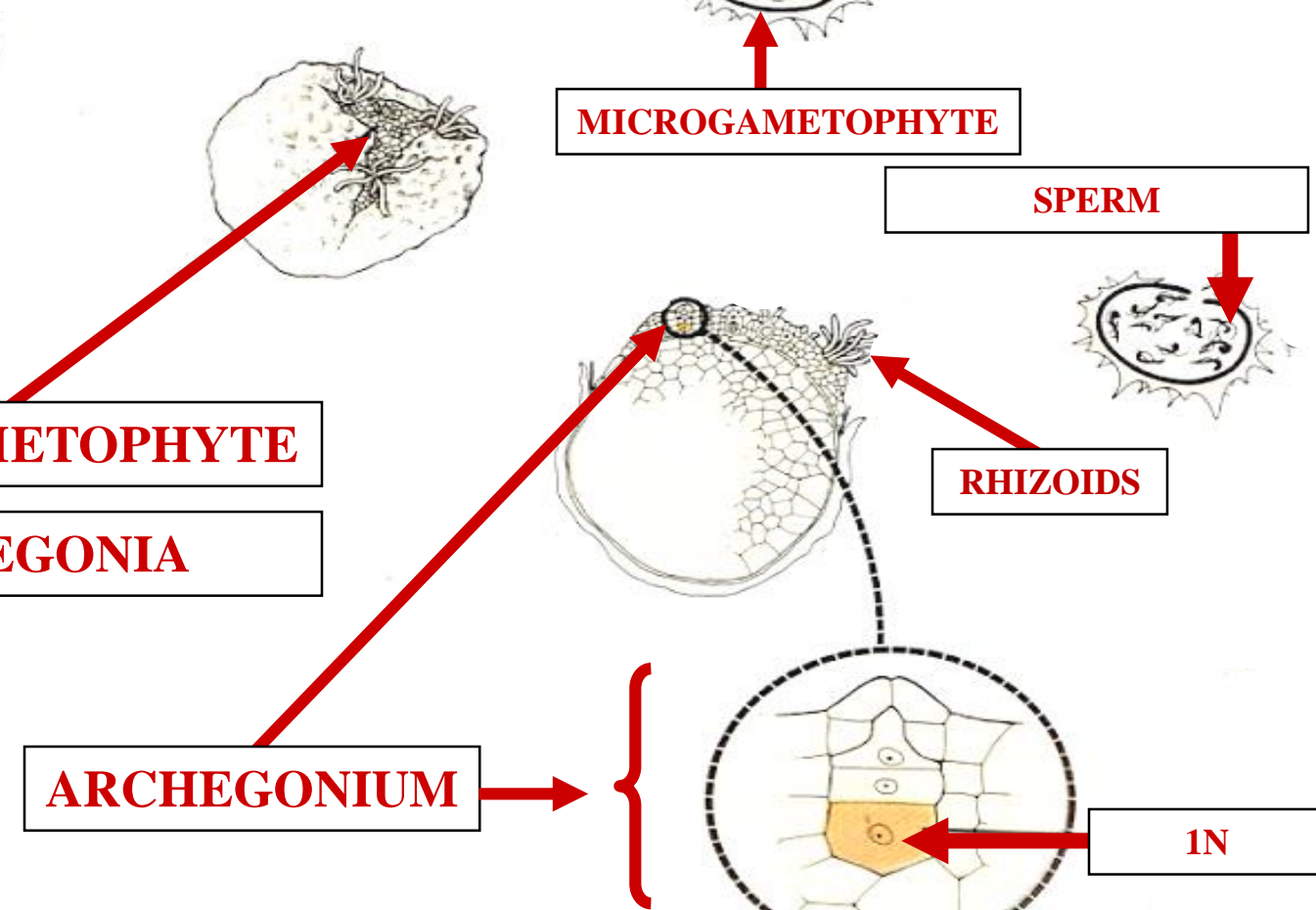


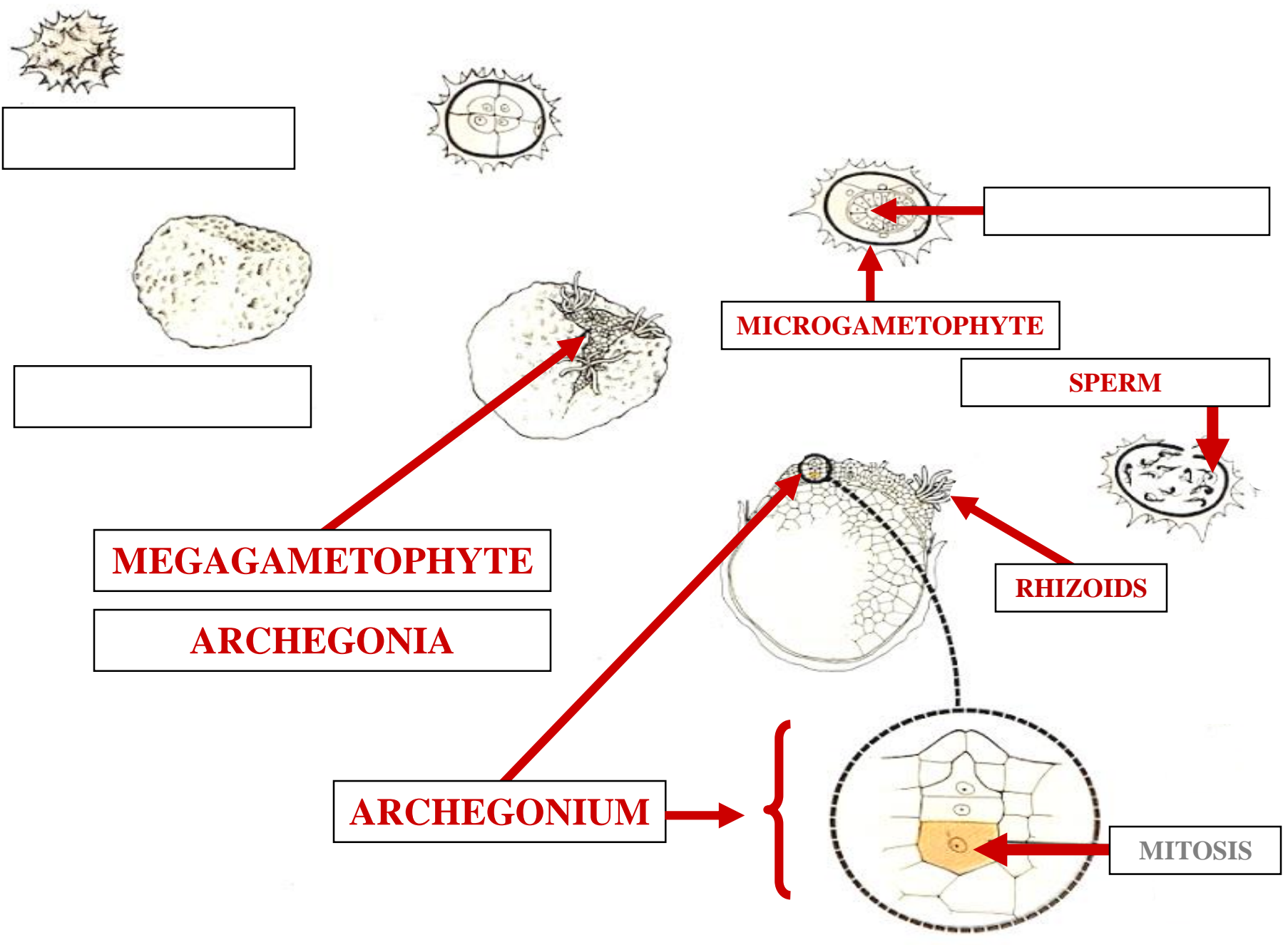
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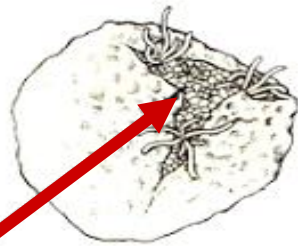




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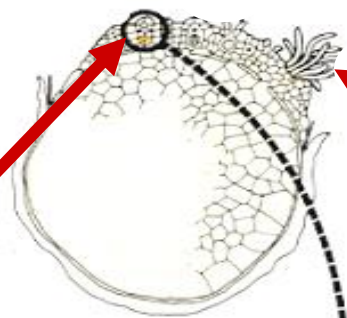


MICROGAMETOPHYTE

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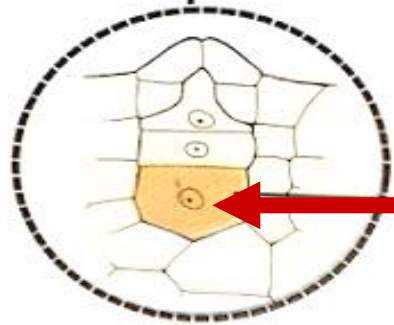
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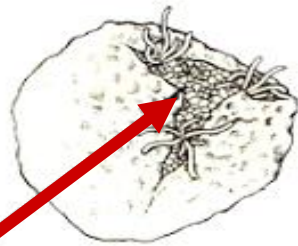
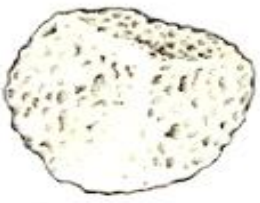
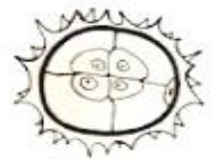


RHIZOIDS

ARCHEGONIUM



MITOSIS



MEGAGAMETOPHYTE

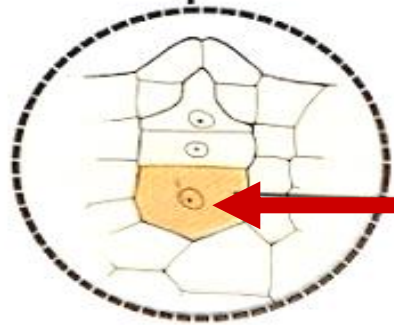
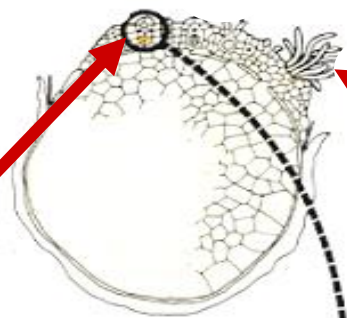
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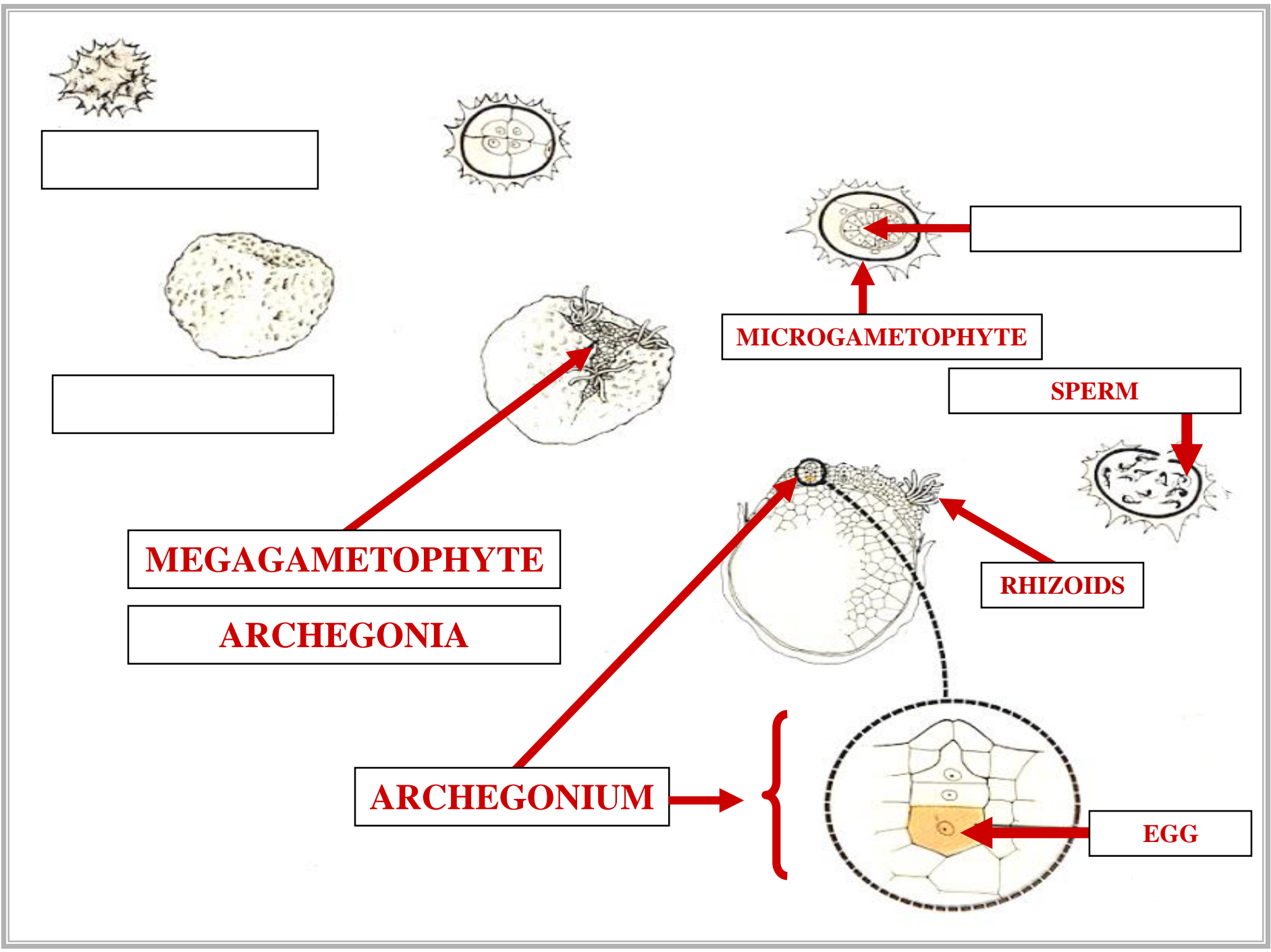
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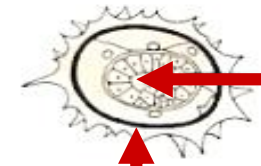
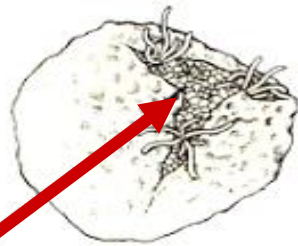
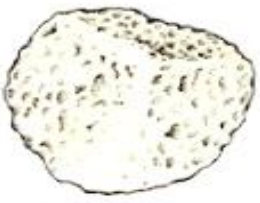
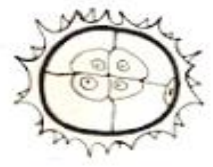


EGG



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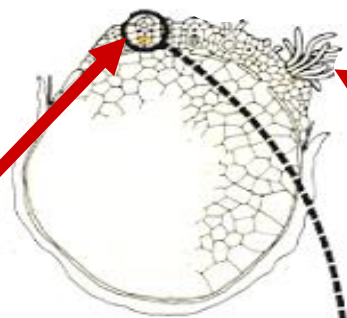
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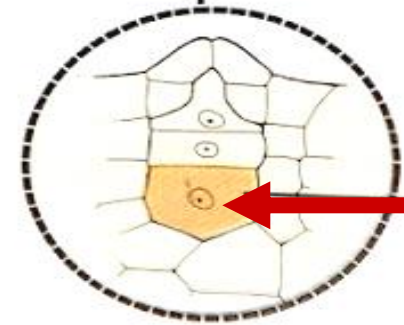
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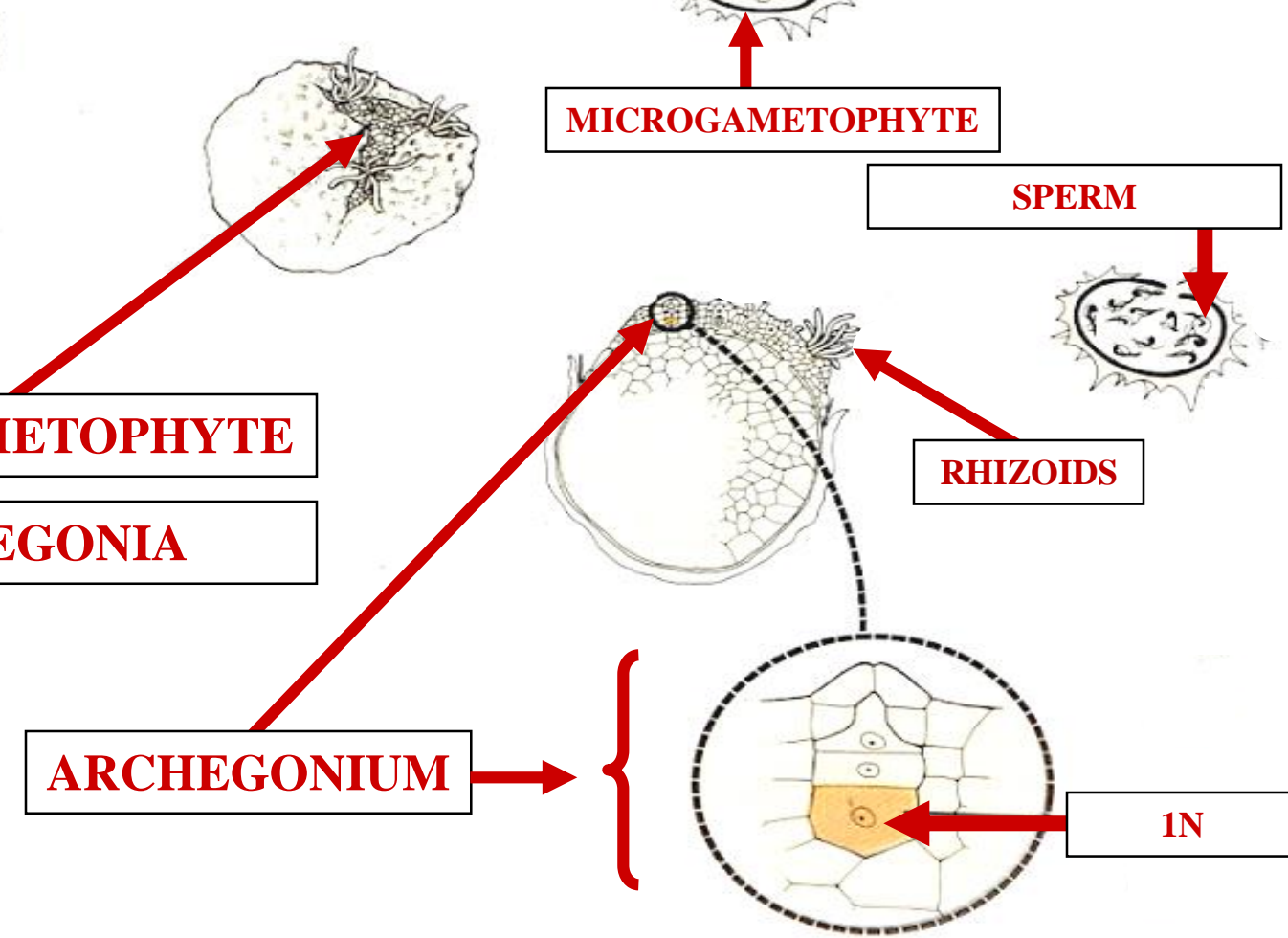


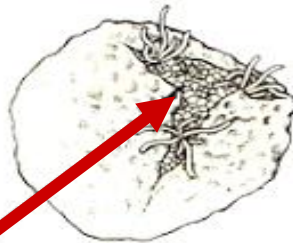
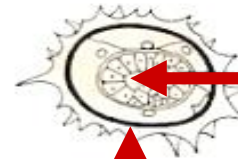
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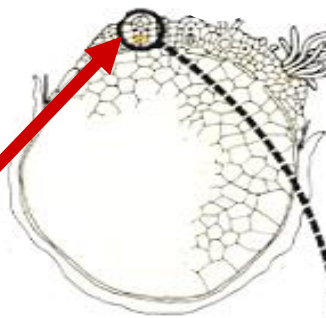


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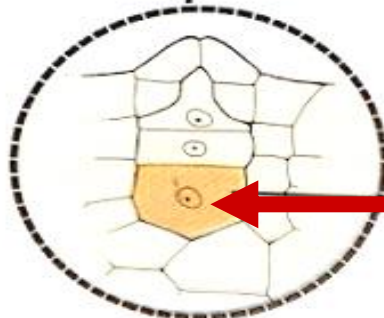
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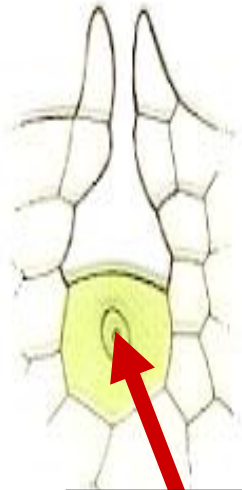
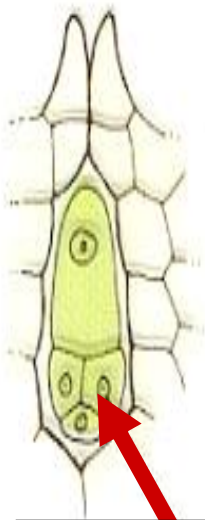


RHIZOIDS

ARCHEGONIUM



EGG

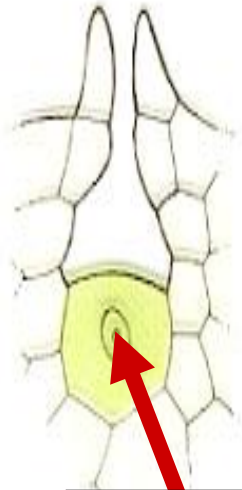
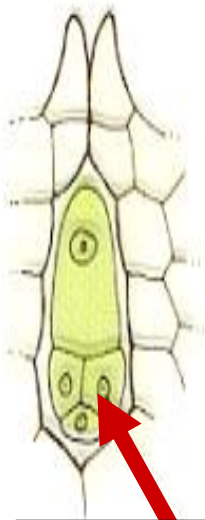


SPERM



EGG

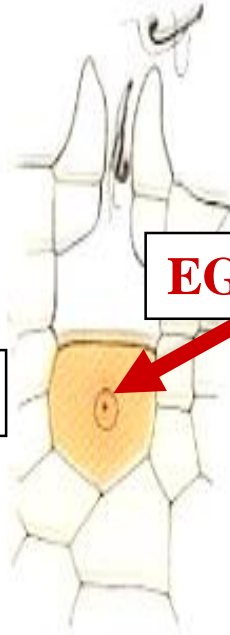


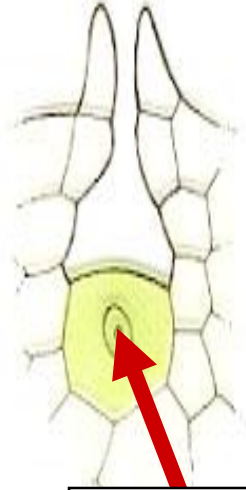
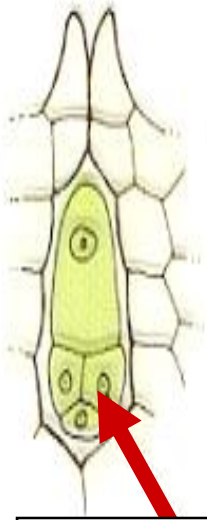


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EGG



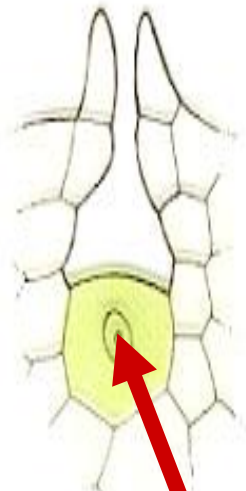
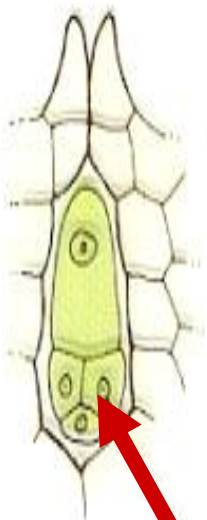


SYNGAMY

SPERM

EGG



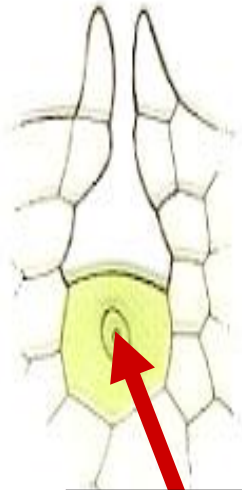
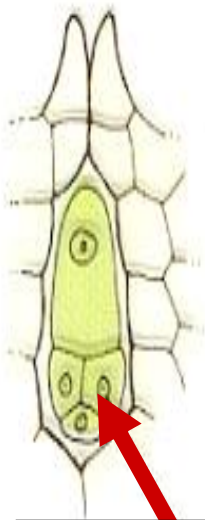


WATER

SPERM

EGG





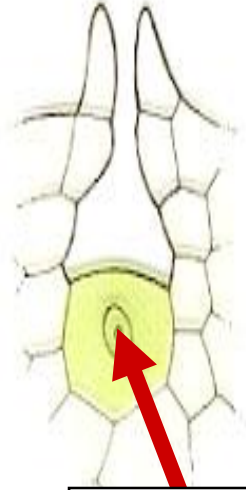
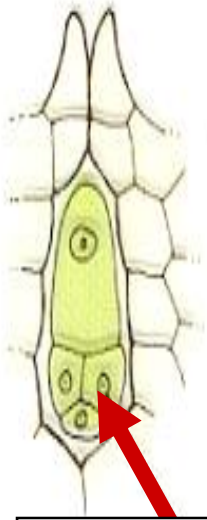
ZYGOTE

SYNGAMY

SPERM

EGG



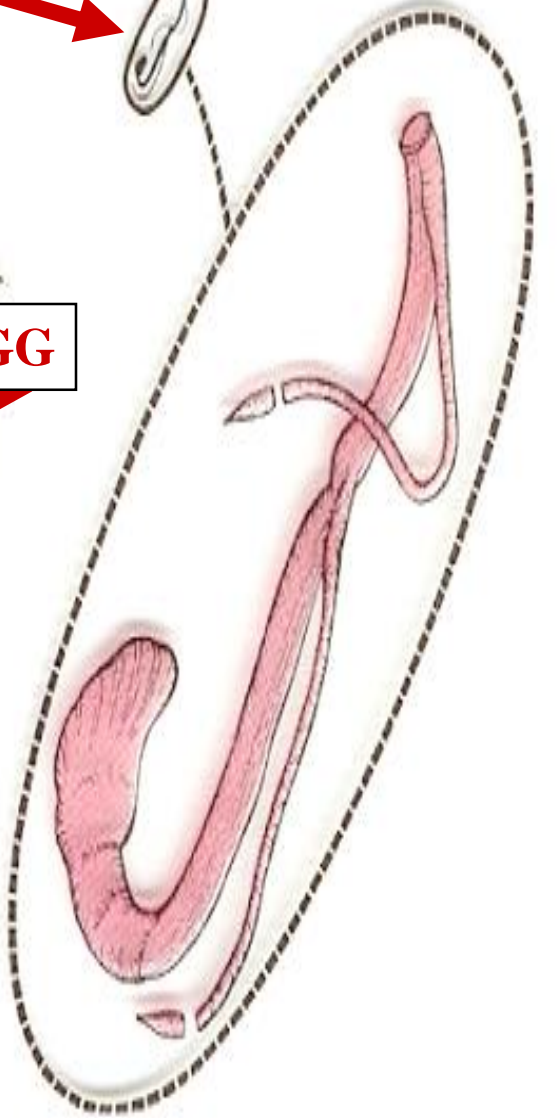
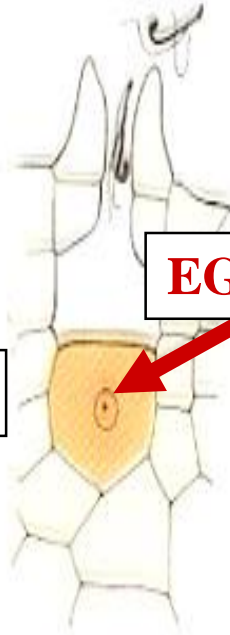


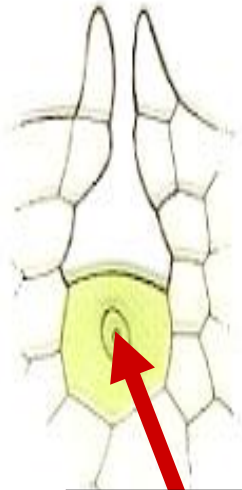
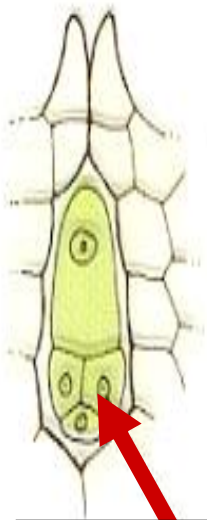
2N

SYNGAMY

SPERM

EGG





MITOSIS

SYNGAMY

SPERM

EGG

