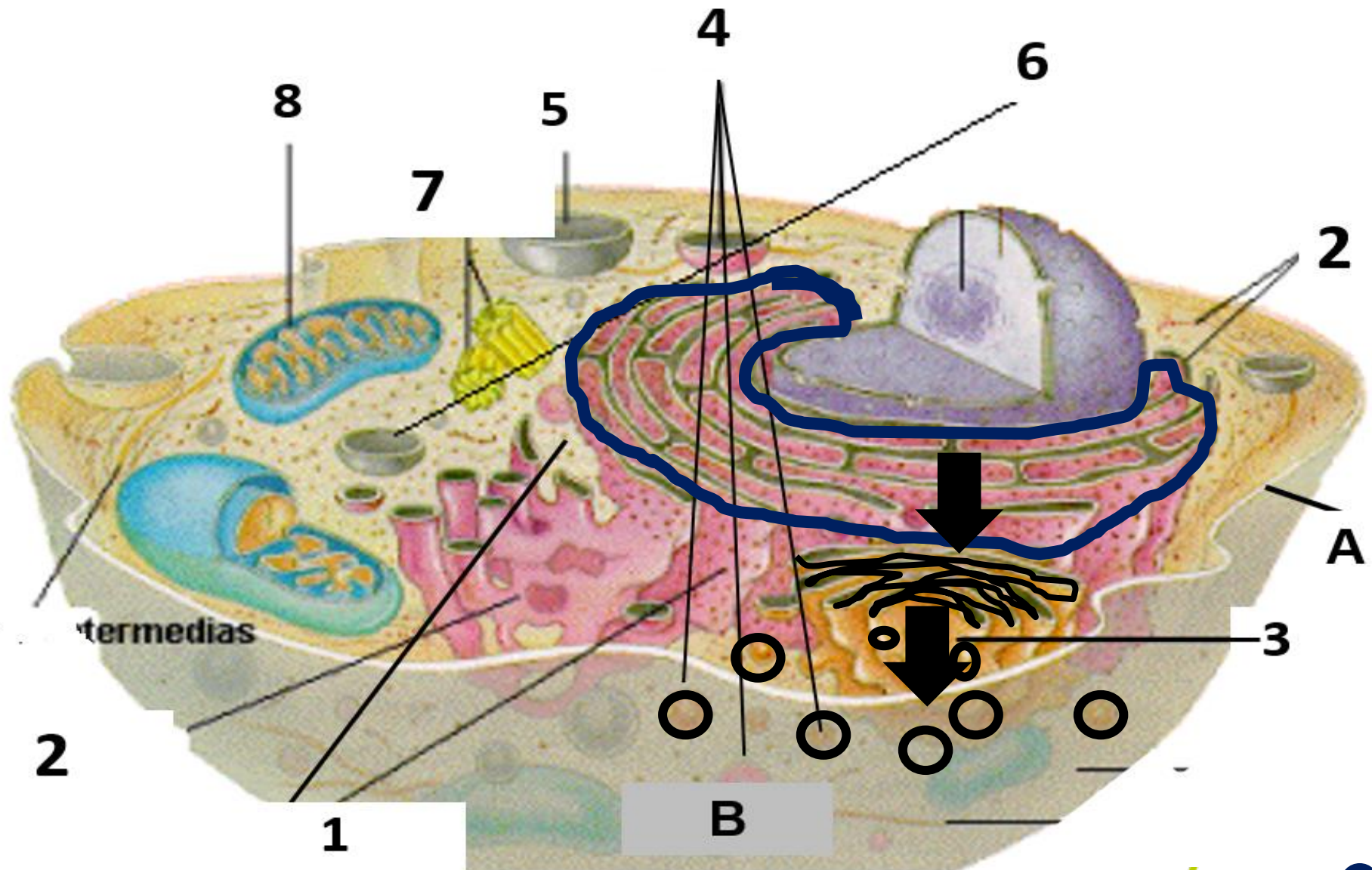


CITOPLASMA II

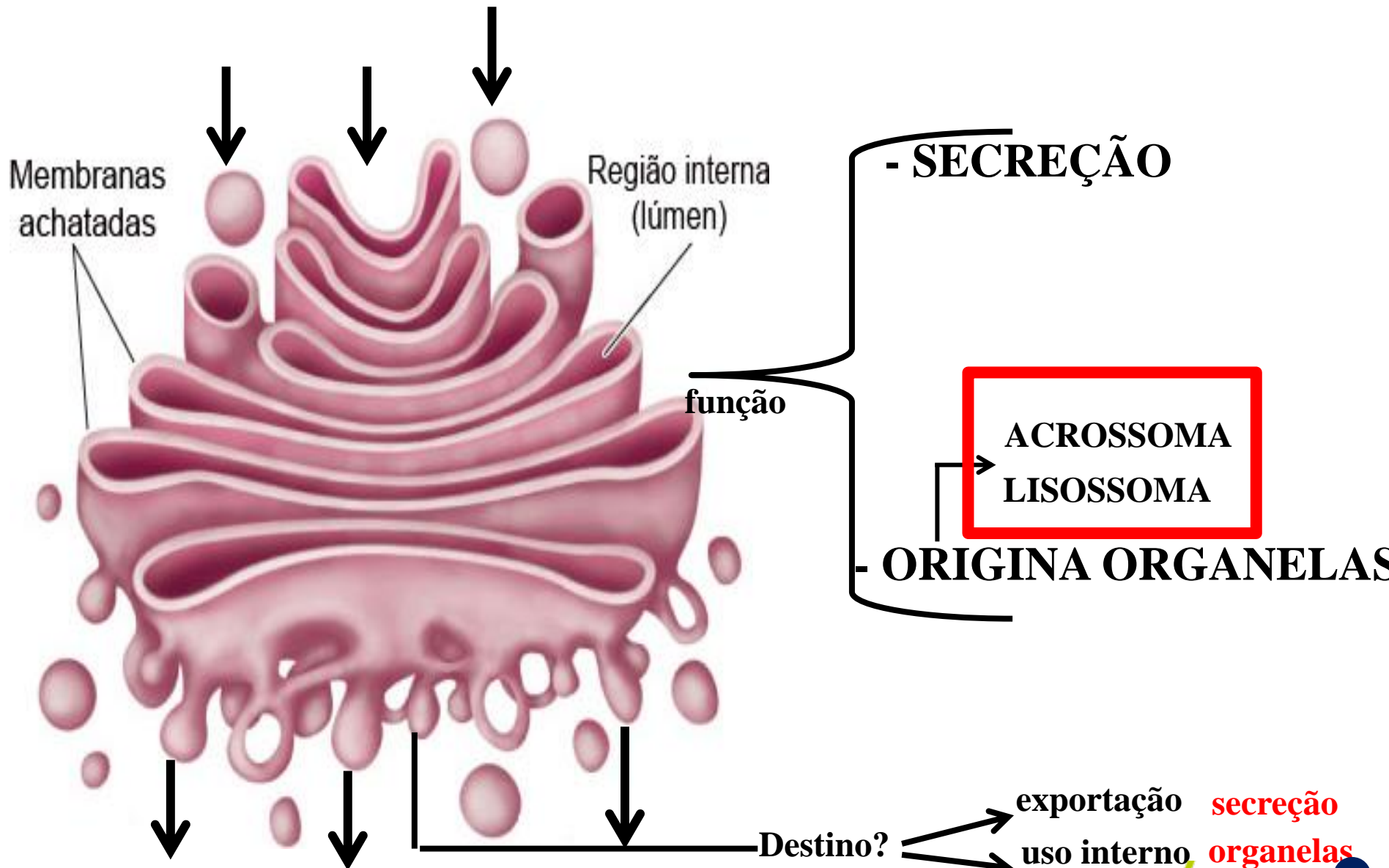
(LISOSSOMA E DIGESTÃO CELULAR)

Prof. Hare
BIOLOGIA

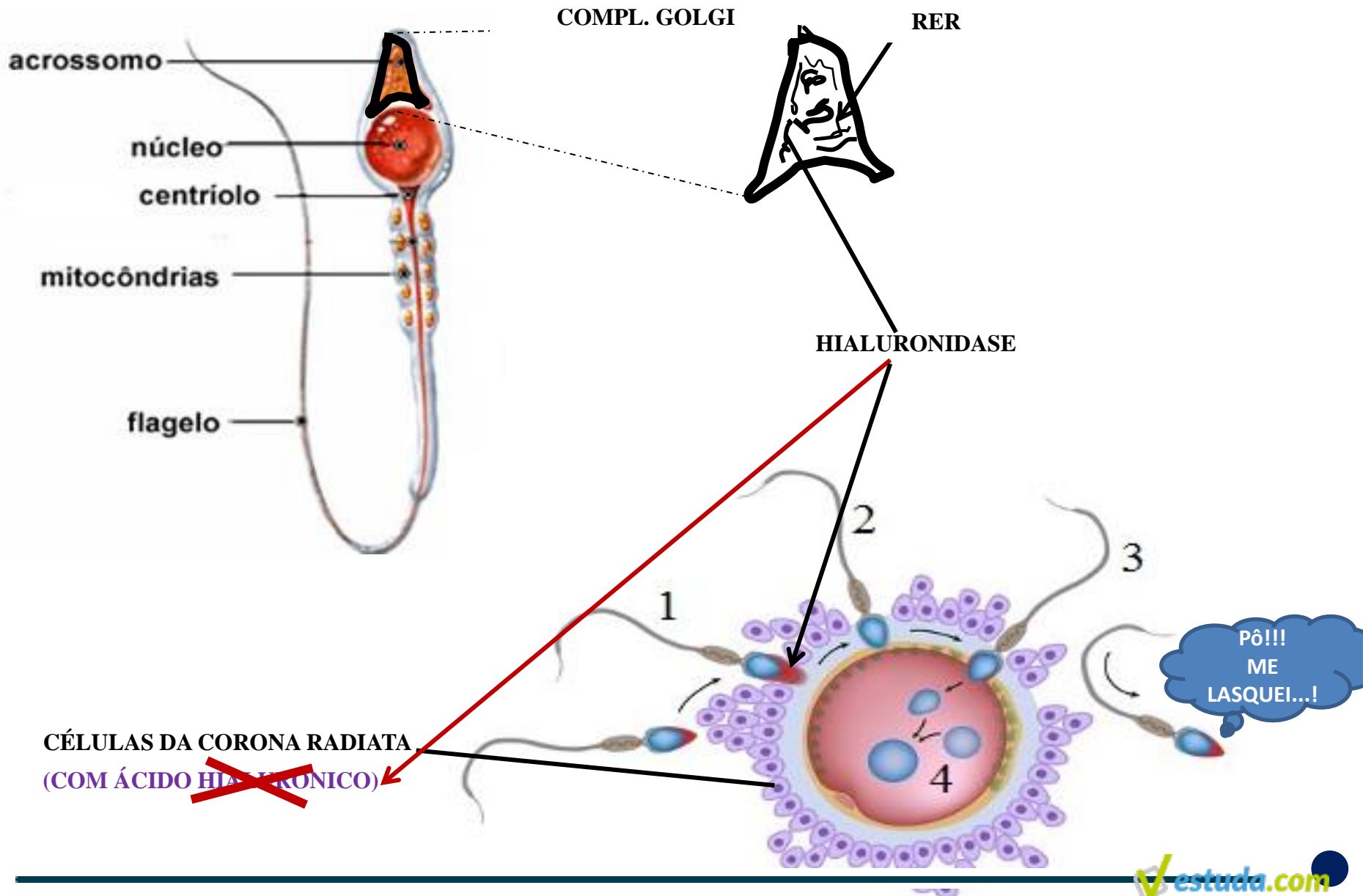
LISOSSOMA



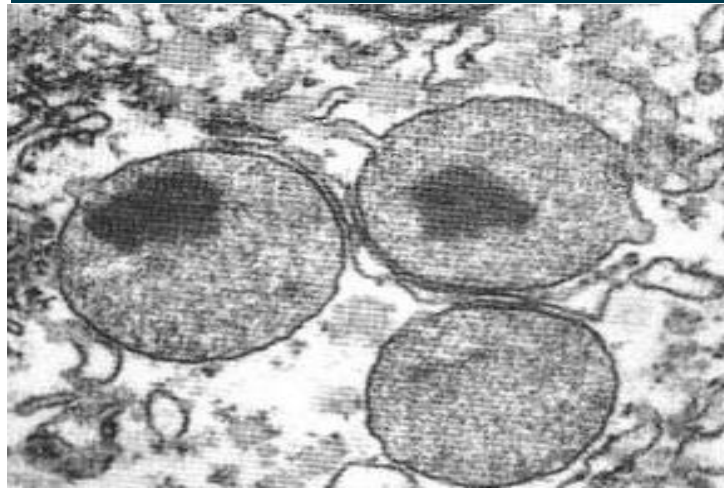
COMPLEXO GOLGIENSE



ACROSSOMA



LISOSSOMA



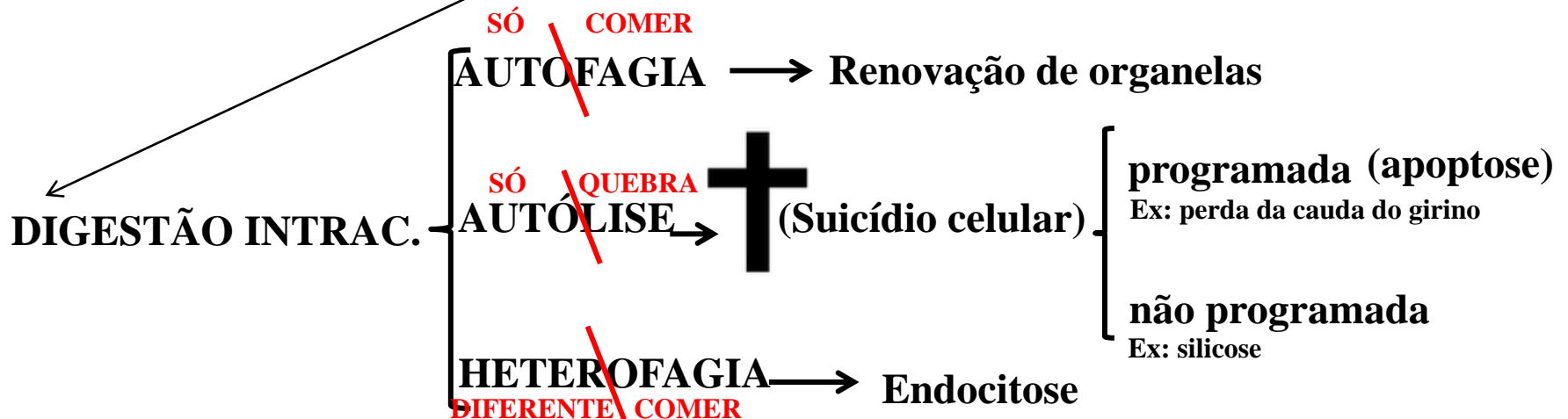
estrutura



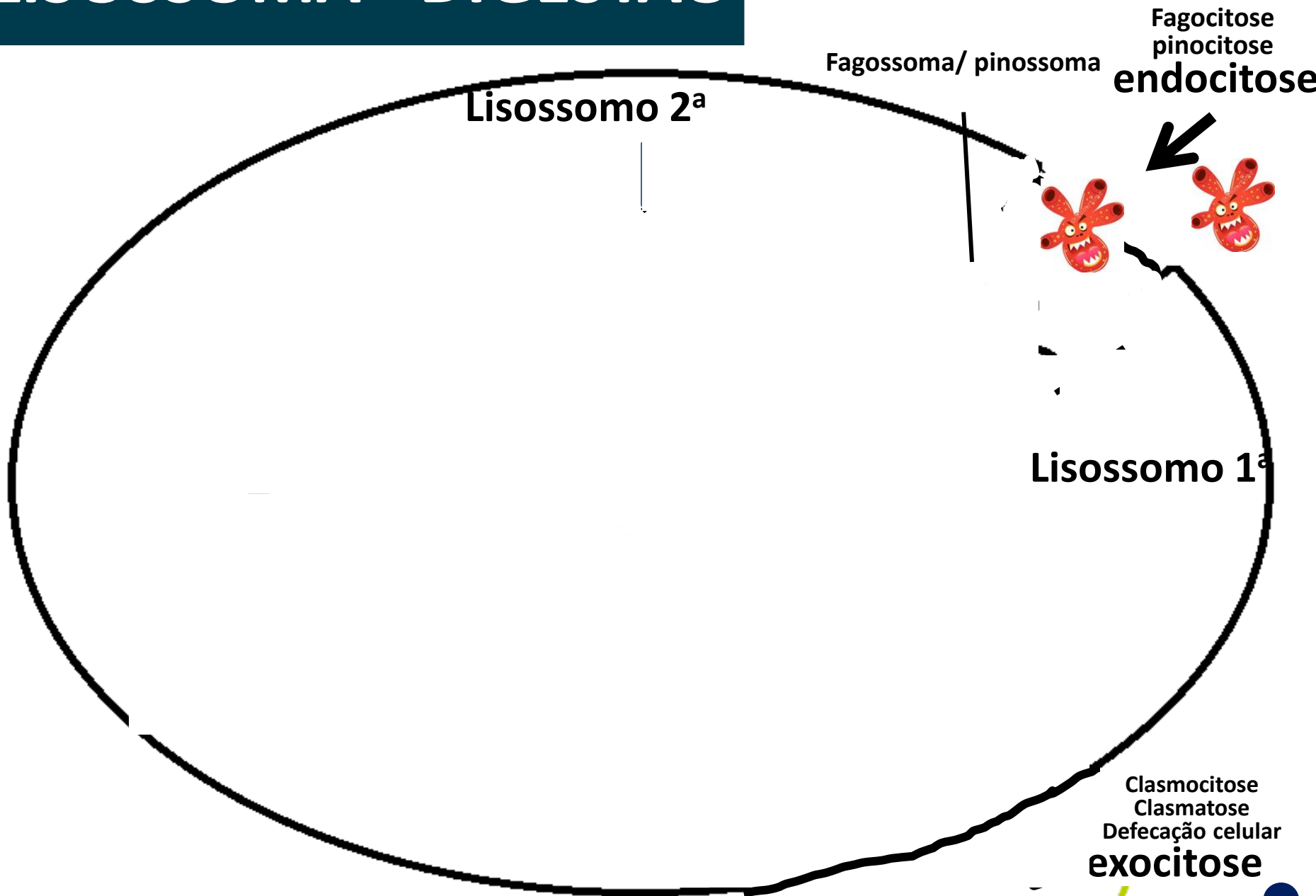
Enzimas digestivas
(hidrolases)

função

DIGESTÃO INTRACELULAR



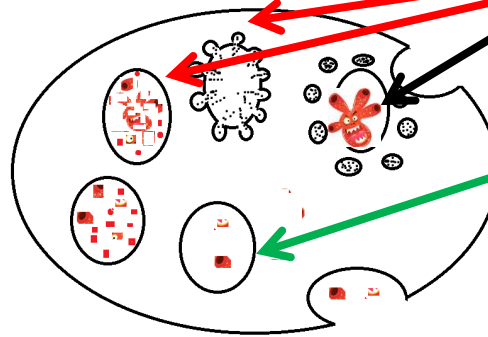
LISOSSOMA - DIGESTÃO



Clasmocitose
Clasmatose
Defecação celular
exocitose

VACÚOLO

VACÚOLO DE DIGESTÃO CELULAR

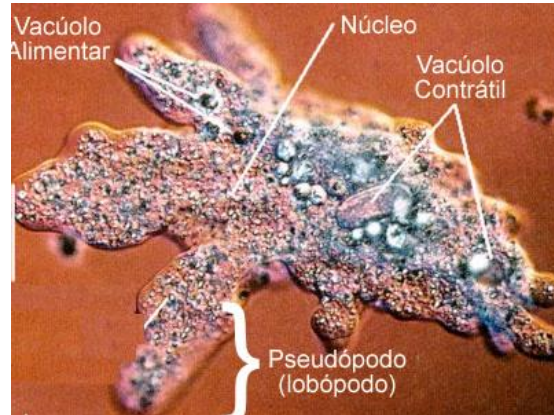


VAC. ALIMENTAR

VAC. DIGESTIVO

VAC. RESIDUAL

VACÚOLO PULSÁTIL (CONTRÁTIL)



VACÚOLO DE SUCO CELULAR

VACÚOLO

VACÚOLO DE DIGESTÃO CELULAR

VAC. DIGESTIVO

VAC. RESIDUAL

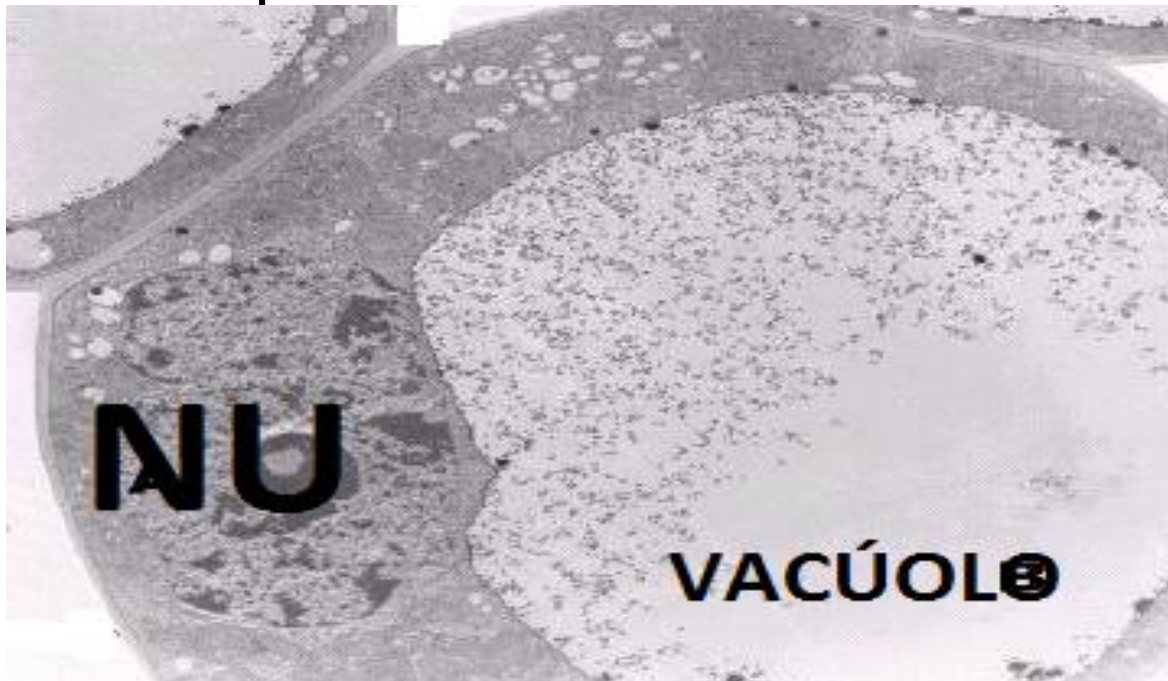
VACÚOLO PULSÁTIL (CONTRÁTIL)

VACÚOLO DE SUCO CELULAR (VAC. OSMÓTICO)

RESERVA SUBST.
(MAIS ÁGUA).

FORMATO.

REGULAÇÃO
OSMOSE.

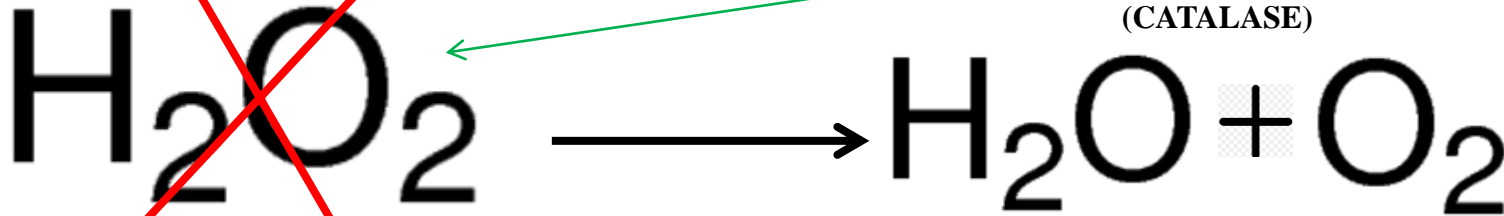


PEROXISSOMO



ENZIMAS DIGESTIVAS
PEROXIDASE
(CATALASE)

R.E



PERÓXIDO DE HIDROGÊNIO



FUNÇÃO: METABOLIZA

PERÓXIDO DE HIDROGÊNIO

ETANOL

AC. GRAXO

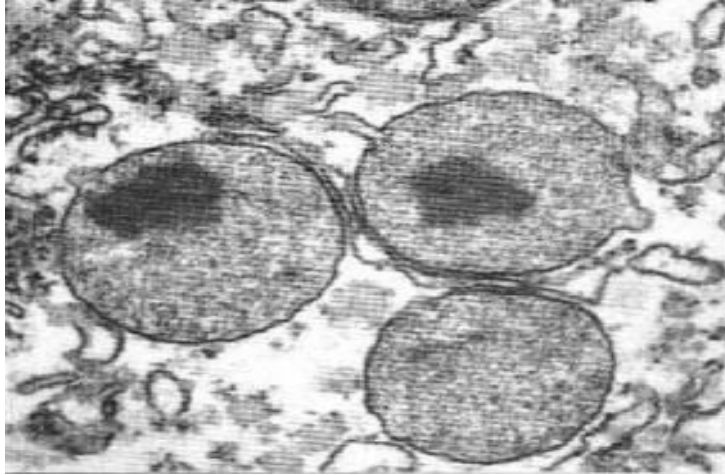
EM GRANDE QUANTIDADE



GLIOXISSOMO

(Glicossomas)

“Peroxisomo de vegetais”



O QUE FAZ? **Convertem lipídio em carboidratos**

Mais encontrados? **SEMENTES** (Também nas folhas)

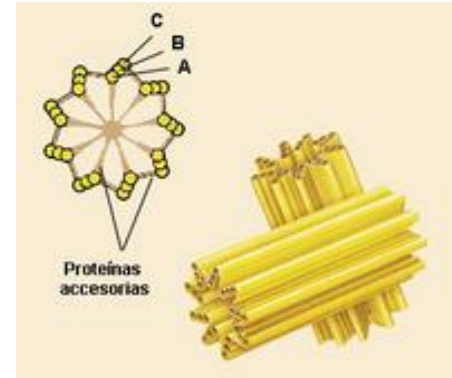
Importante: GERMINAÇÃO

CENTRÍOLOS

CONSTITUÍDOS ?

→ MICROTÚBULOS → TUBULINA

9 grupos de 3 microtúbulos



“Origina “cordinhas” de proteína”

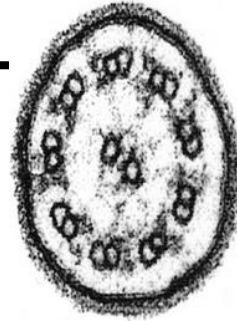
Função: ORIGINA: FLAGELOS

CÍLIOS

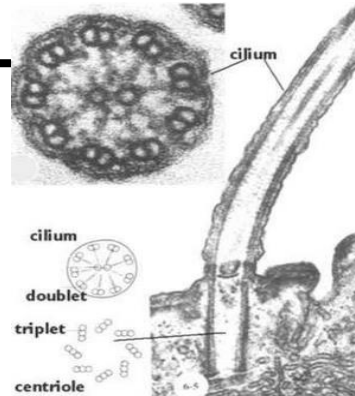
FUSO ACROMÁTICO

CENTRÍOLOS (CILINDROS)

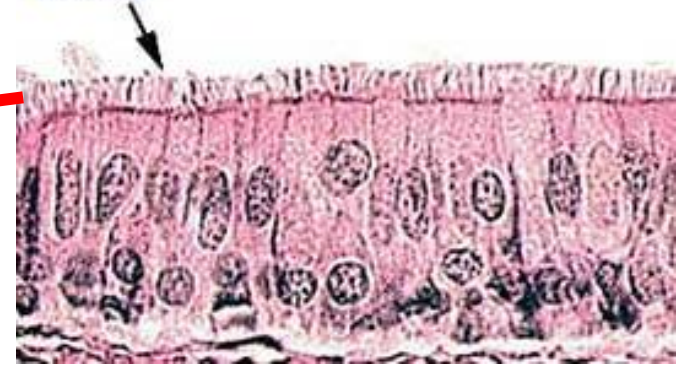
FLAGELOS — **LOCOMOÇÃO**



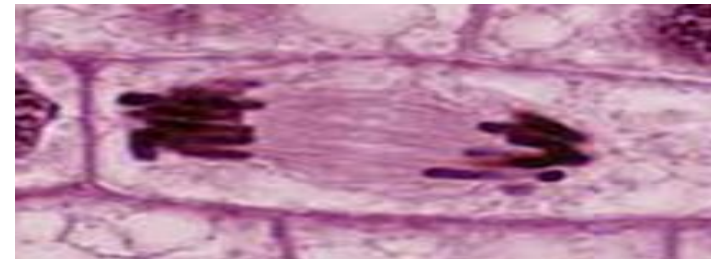
CÍLIOS — **LOCOMOÇÃO**



Cílios



FUSO ACROMÁTICO — **ATUA NA DIVISÃO**



MITOCÔNDRIAS

RESPIRAÇÃO CELULAR

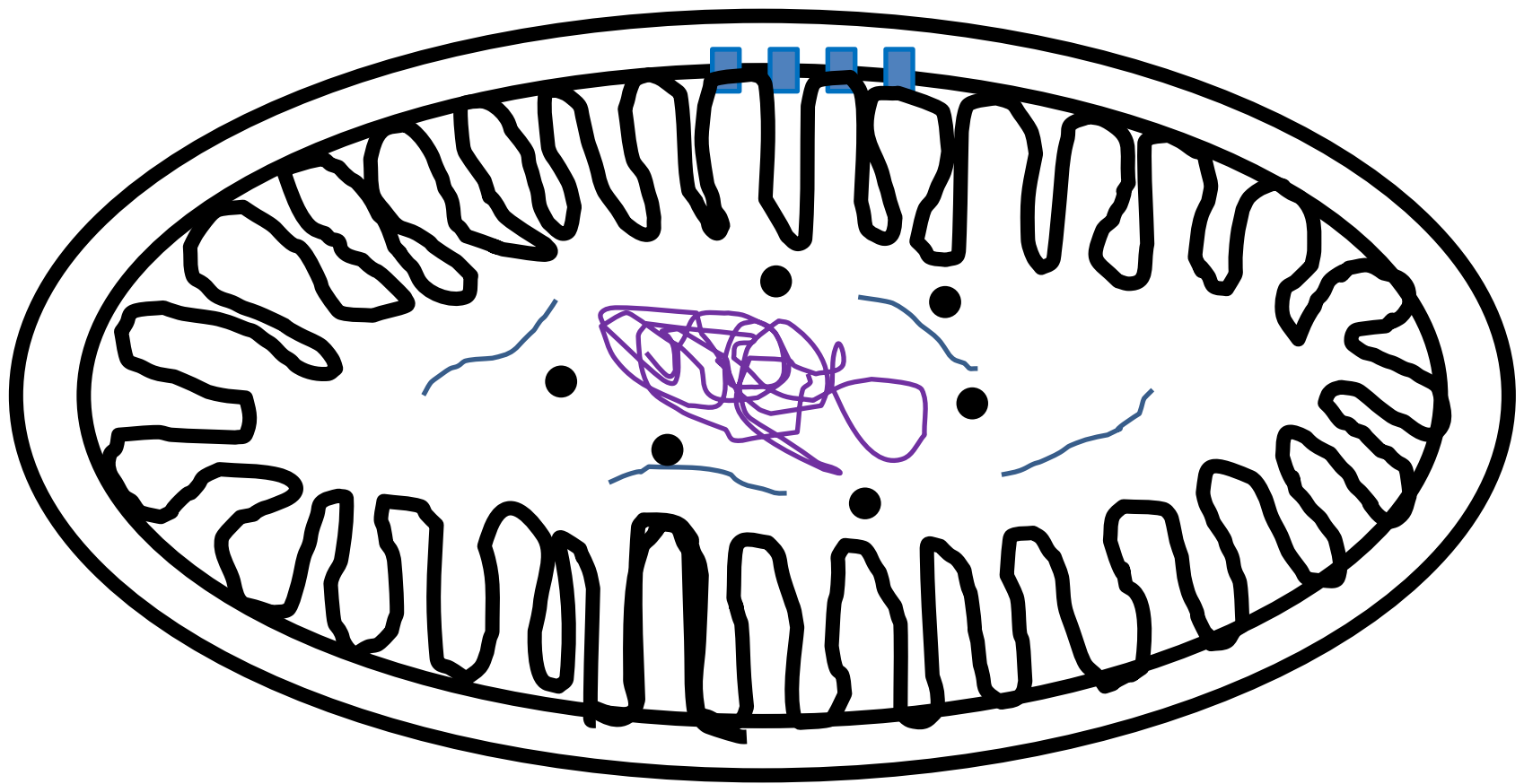


CLOROPLASTOS

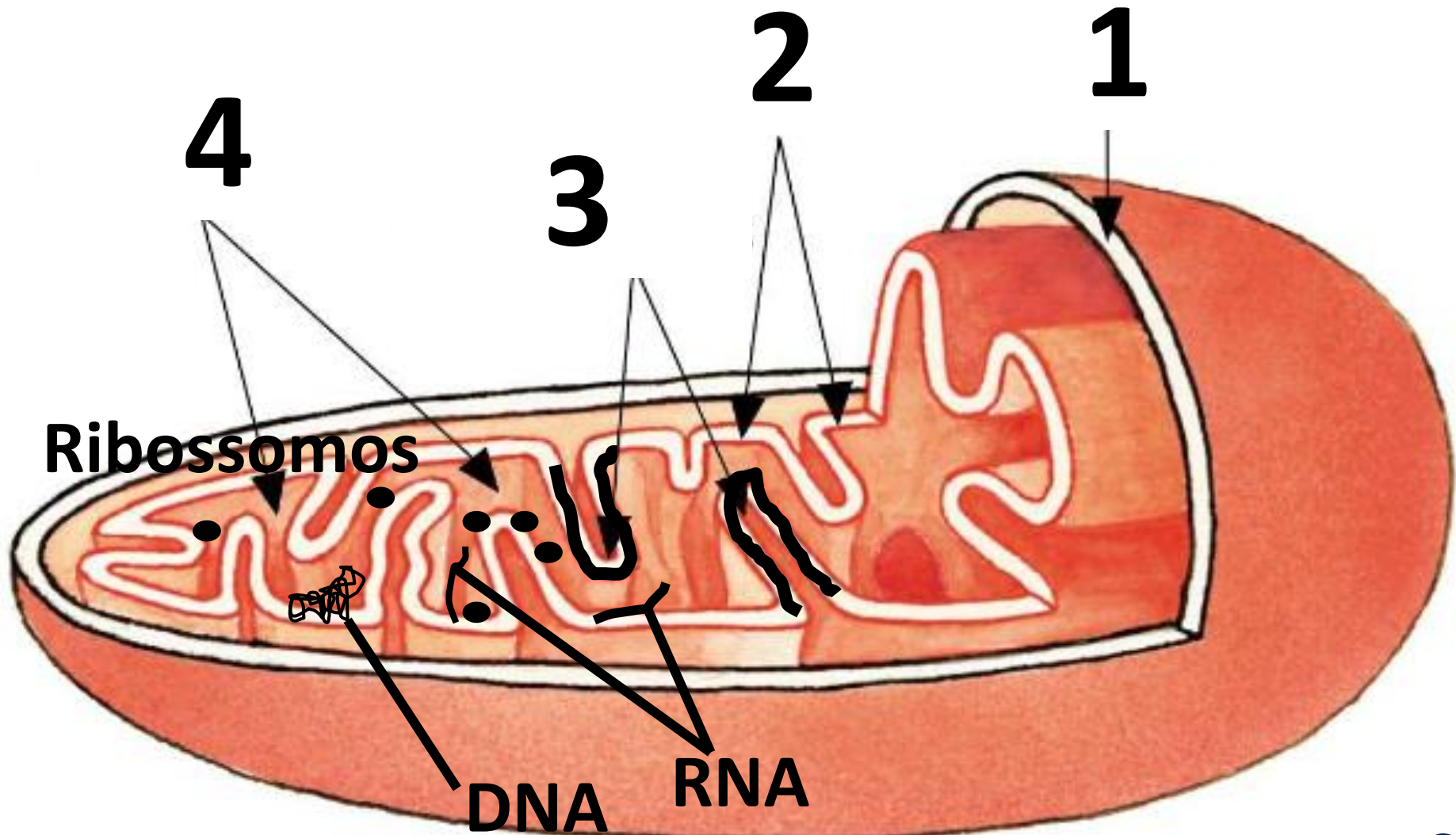
FOTOSÍNTESE



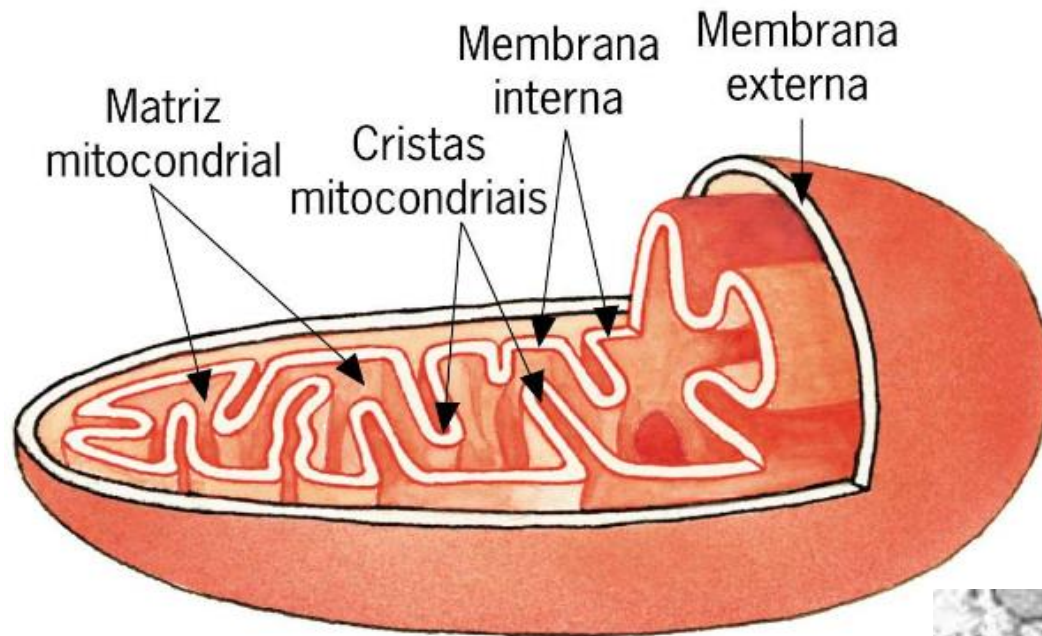
MITOCÔNDRIAS



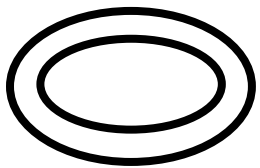
MITOCÔNDRIAS



MITOCÔNDRIAS



PLASTOS ou PLASTÍDEOS



LEUCOPLASTOS

SEM COR

SEM **PIGMENTO** FOTOSSINTETIZANTE

→ ARMAZENAMENTO

Proteína → PROTEO**PLASTO**

Óleo → OLEO**PLASTO**

Amido → AMILO**PLASTO**

Origem?

CROMOPLASTOS

COM COR

→ FOTOSSÍNTESE

COM **PIGMENTO** FOTOSSINTETIZANTE

PLASTOS

PIGMENTOS

FICOERITRINA

ERITROPLASTO

XANTOFILA

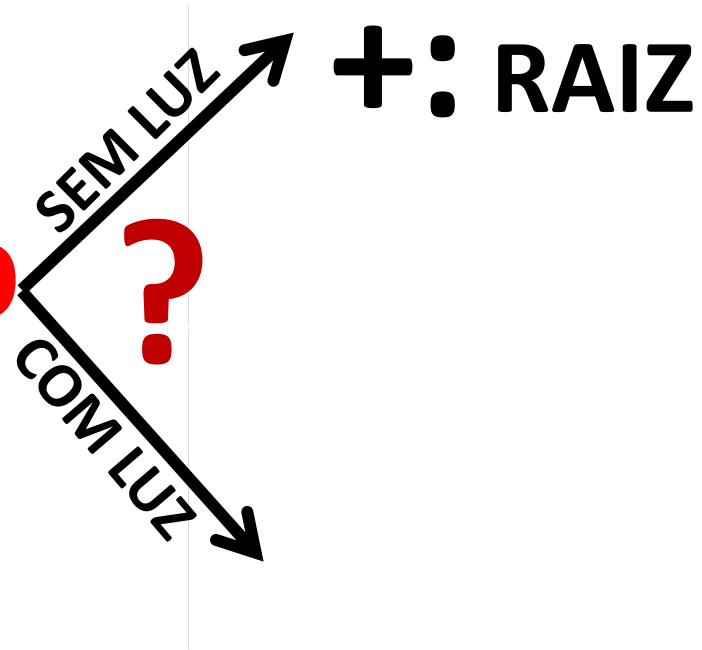
XANTOPLASTO

CLOROFILA

CLOROPLASTO

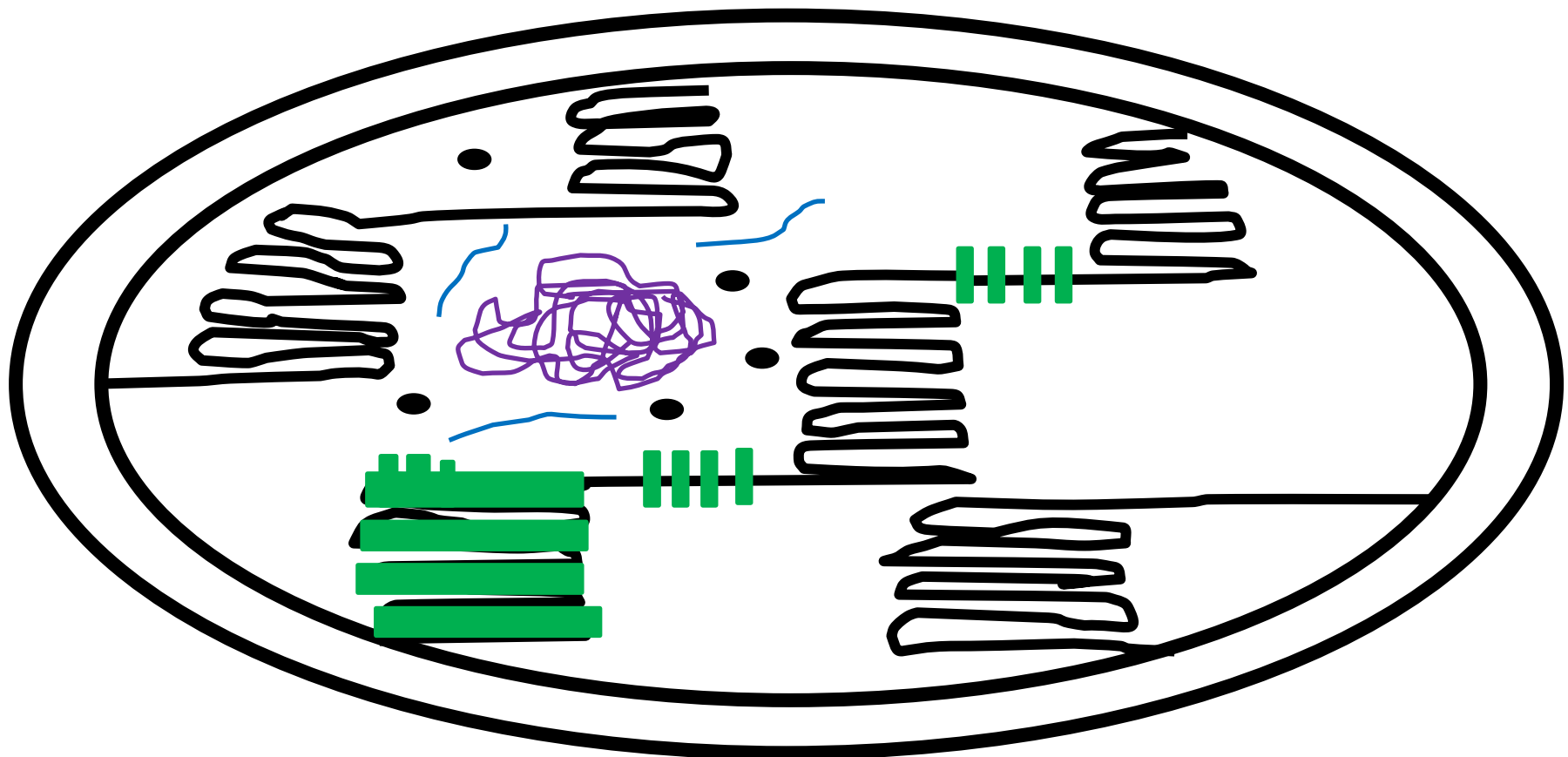
PLASTOS ou PLASTÍDEOS

Pró-PLASTÍDEO
(NENEM PLASTO)

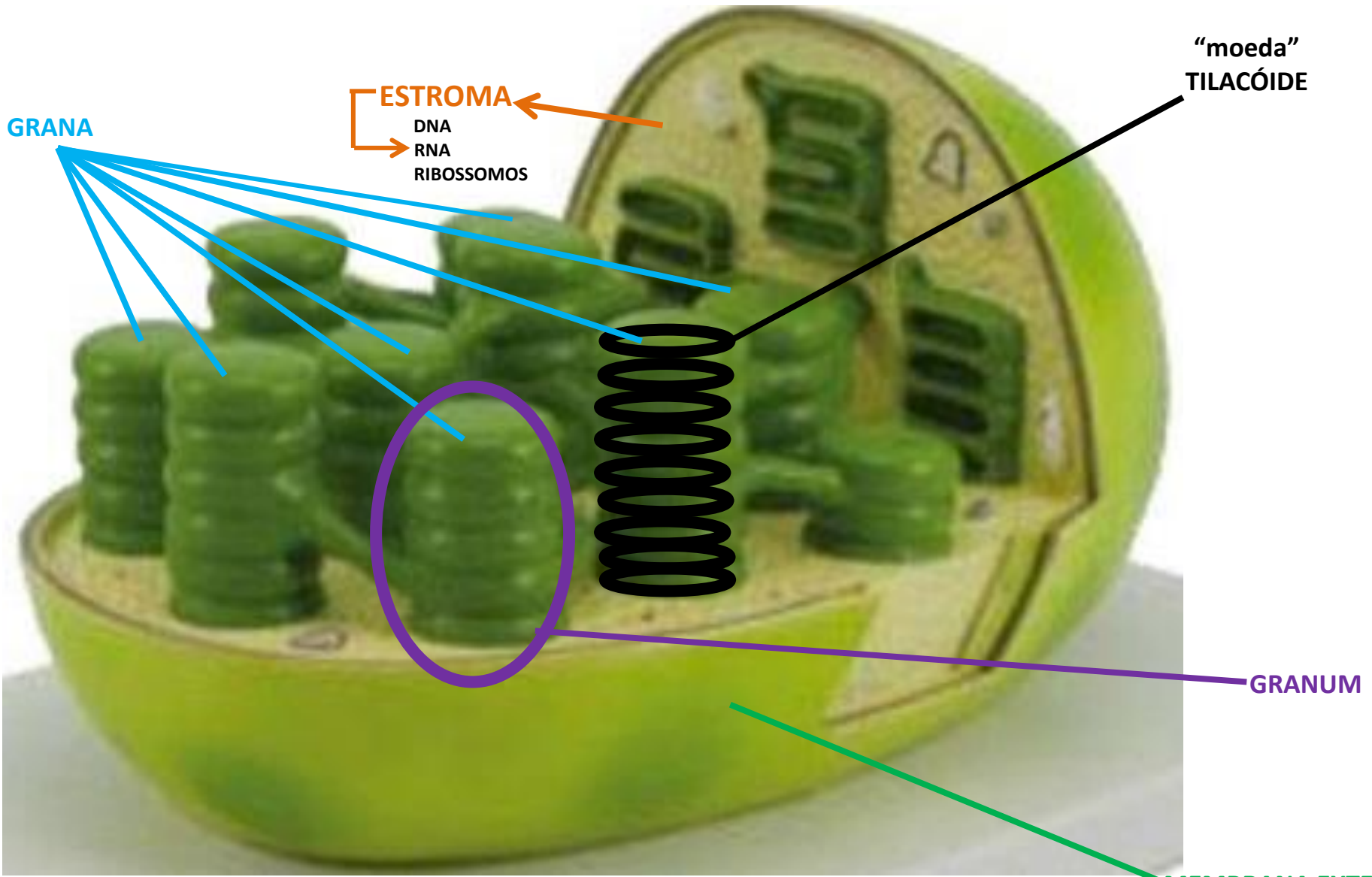


+: FOLHA

CLOROPLASTO



CLOROPLASTO



COLOROPLASTO



TEORIA ENDOSSIMBIÓTICA

mitocôndria

ARGUMENTOS:

- Com DNA, RNA e Ribossomos
- Com DNA circular
- Com Duas membranas

cloroplasto

SUGESTÃO DE EXERCÍCIOS

(Apostila III – modulo 21 – página 193)

(Questões 02, 03, 05)