

KORT OG GODT

OM ORGANISMERS CELLER

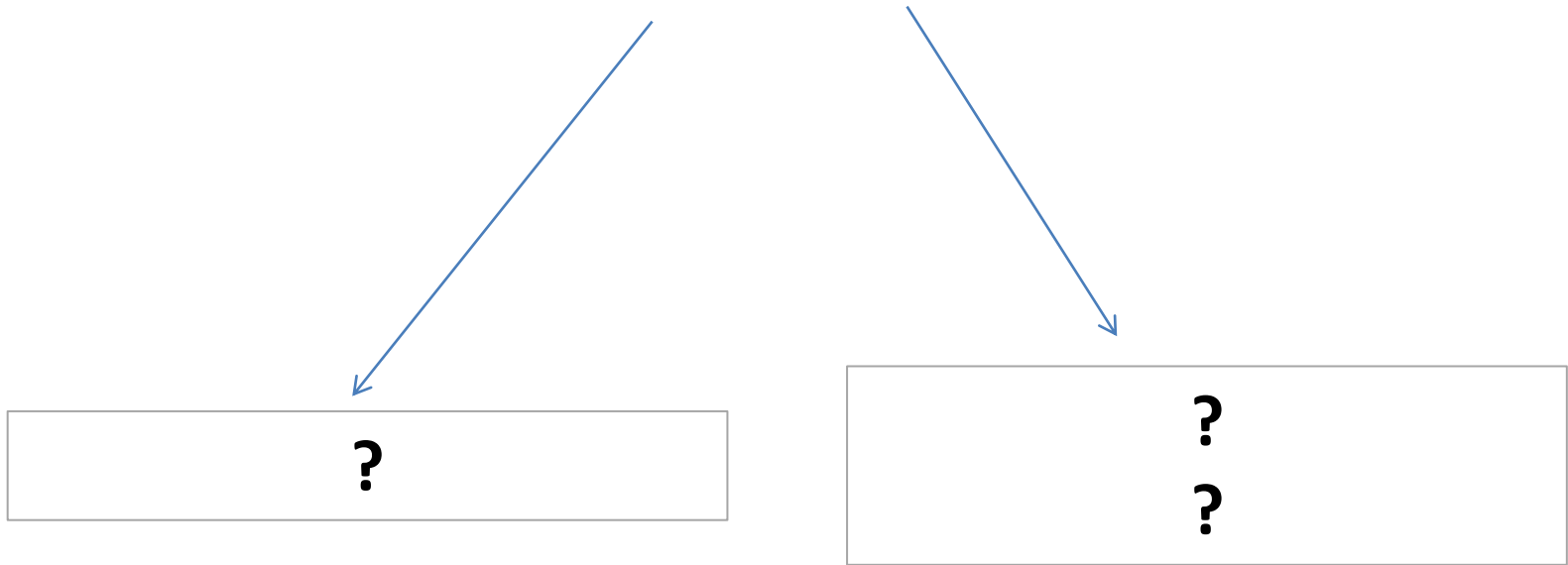
TEST DIN VIDEN

29 Cu copper 63.55 [Ar]4s ¹ 3d ¹⁰	30 Zn zinc 65.39 [Ar]4s ² 3d ¹⁰	31 Ga gallium 69.72 [Ar]4s ² 3d ¹⁰ 4p ¹	32 Ge germanium 72.58 [Ar]4s ² 3d ¹⁰ 4p ²	33 As arsenic 74.92 [Ar]4s ² 3d ¹⁰ 4p ³	34 Se selenium 78.96 [Ar]4s ² 3d ¹⁰ 4p ⁴
45 Rh rhodium 101.07 [Kr]4d ⁸ 5s ¹	46 Pd palladium 106.42 [Kr]4d ¹⁰	47 Ag silver 107.87 [Kr]5s ¹ 4d ¹⁰	48 Cd cadmium 112.41 [Kr]5s ² 4d ¹⁰	49 In indium 114.82 [Kr]5s ² 4d ¹⁰ 5p ¹	50 Sn tin 118.71 [Kr]5s ² 4d ¹⁰ 5p ²
51 Sb antimony 121.76 [Kr]5s ² 4d ¹⁰ 5p ³	52 Te tellurium 127.60 [Kr]5s ² 4d ¹⁰ 5p ⁴	53 I iodine 126.91 [Kr]5s ² 4d ¹⁰ 5p ⁵	54 Xe xenon 131.29 [Kr]5s ² 4d ¹⁰ 5p ⁶	55 Cs cesium 132.91 [Xe]6s ¹	56 Ba barium 137.33 [Xe]6s ²

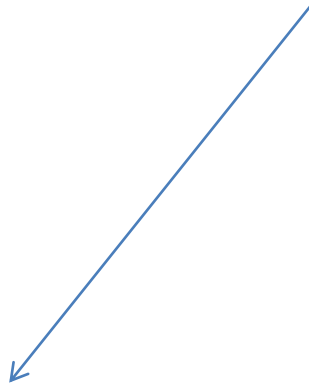
DER FINDES 92 NATURLIGE GRUNDSTOFFER

HVOR MANGE TYPER CELLER FINDES DER?

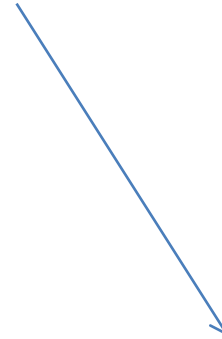
3 FORSKELLIGE TYPER CELLER



3 FORSKELLIGE TYPER CELLER



BAKTERIECELLER



**PLANTECELLER
DYRECELLER**

DEN VIGTIGSTE FORSKEL ?

ET VOKSENT MENNESKE



50.000.000.000.000 CELLER

**= 50.000.000 MILLIONER
= 50.000 MILLIARDER
= 50 BILLIONER**

BEMÆRK LIGE: I vores tarme er der 10 gange flere bakterieceller, end vores totale antal celler! Hvad fortæller det om bakteriecellens størrelse i forhold til vores cellers størrelse?

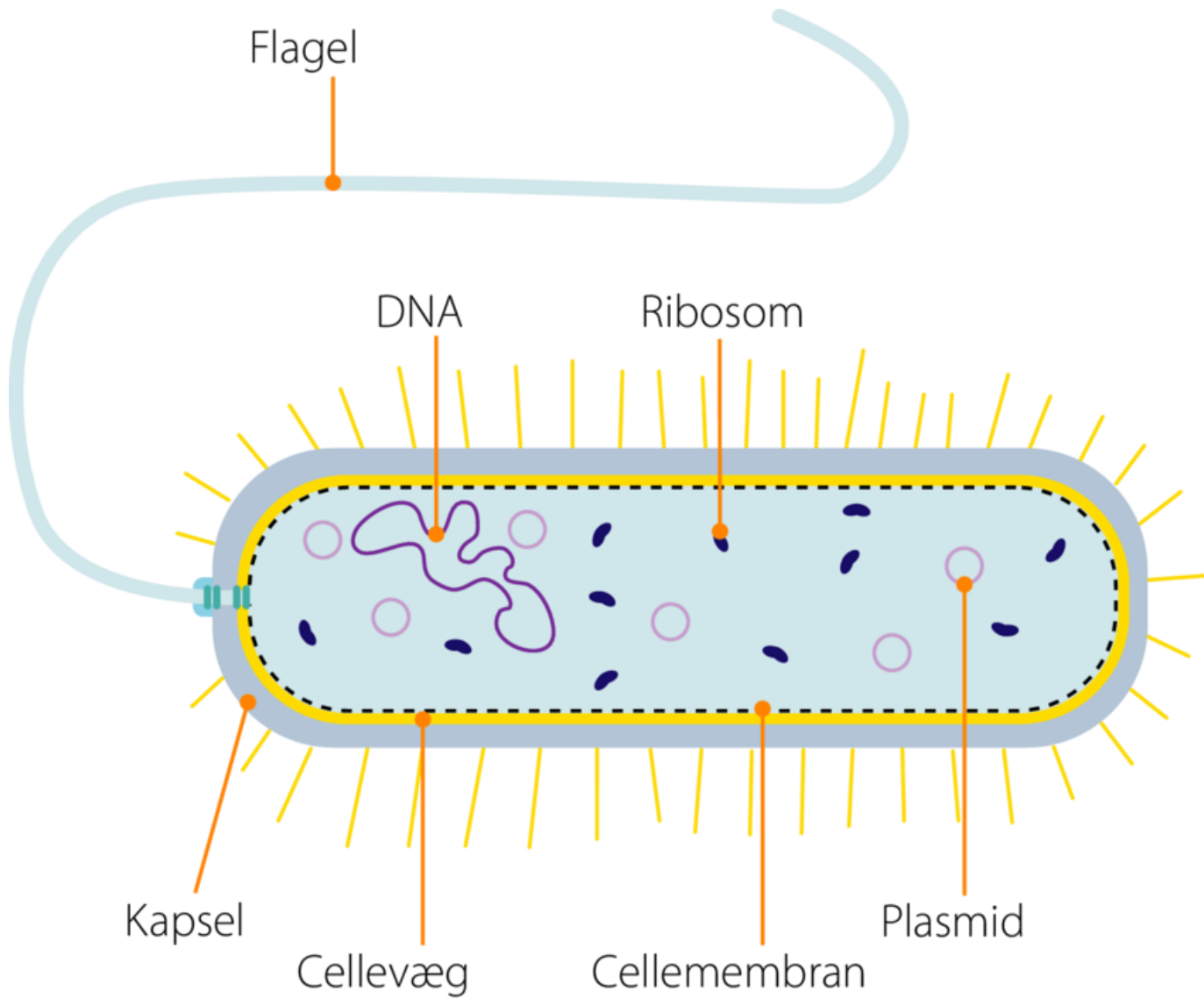
EN BAKTERIE



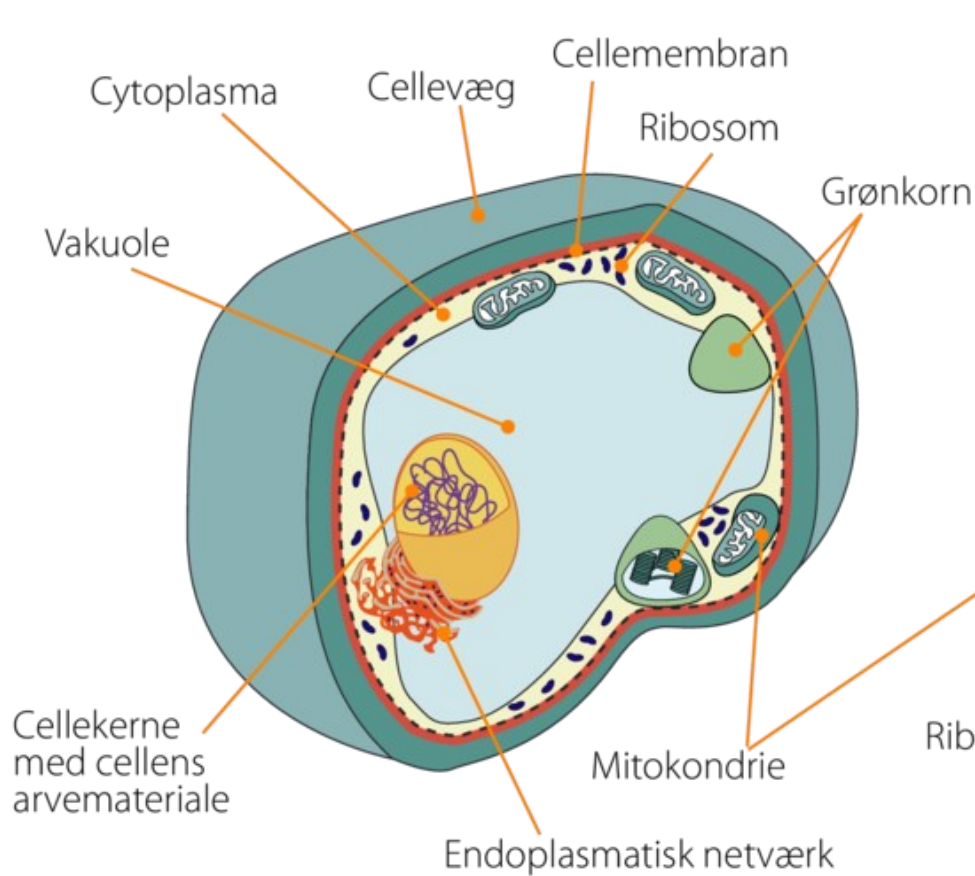
1 CELLE

= 1 😊

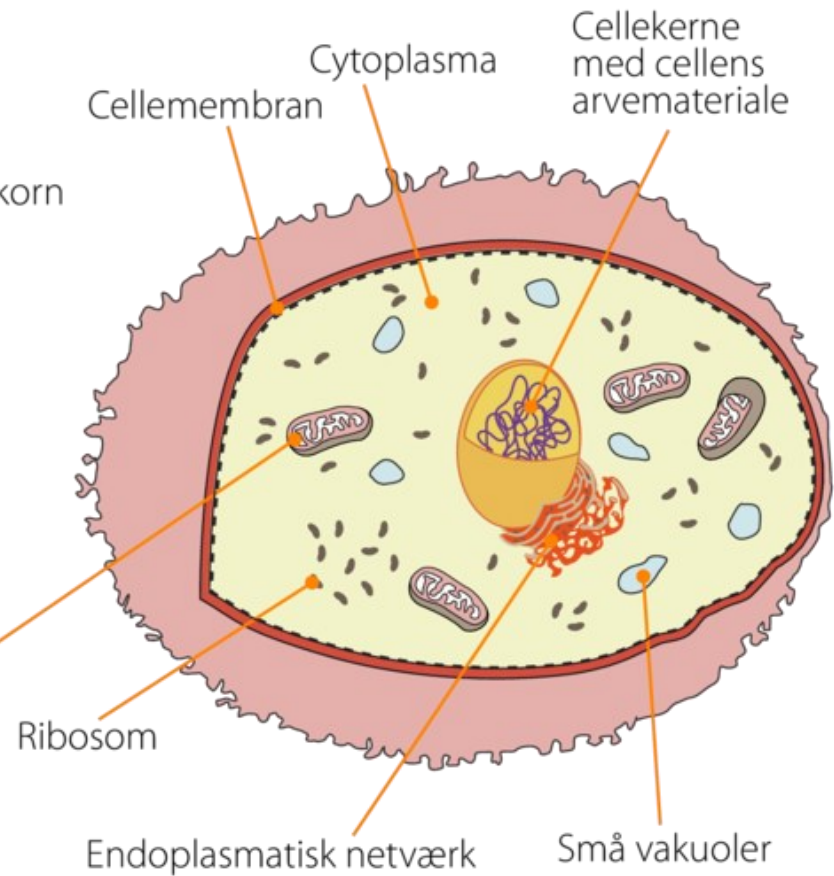
og den er mega lille bitte



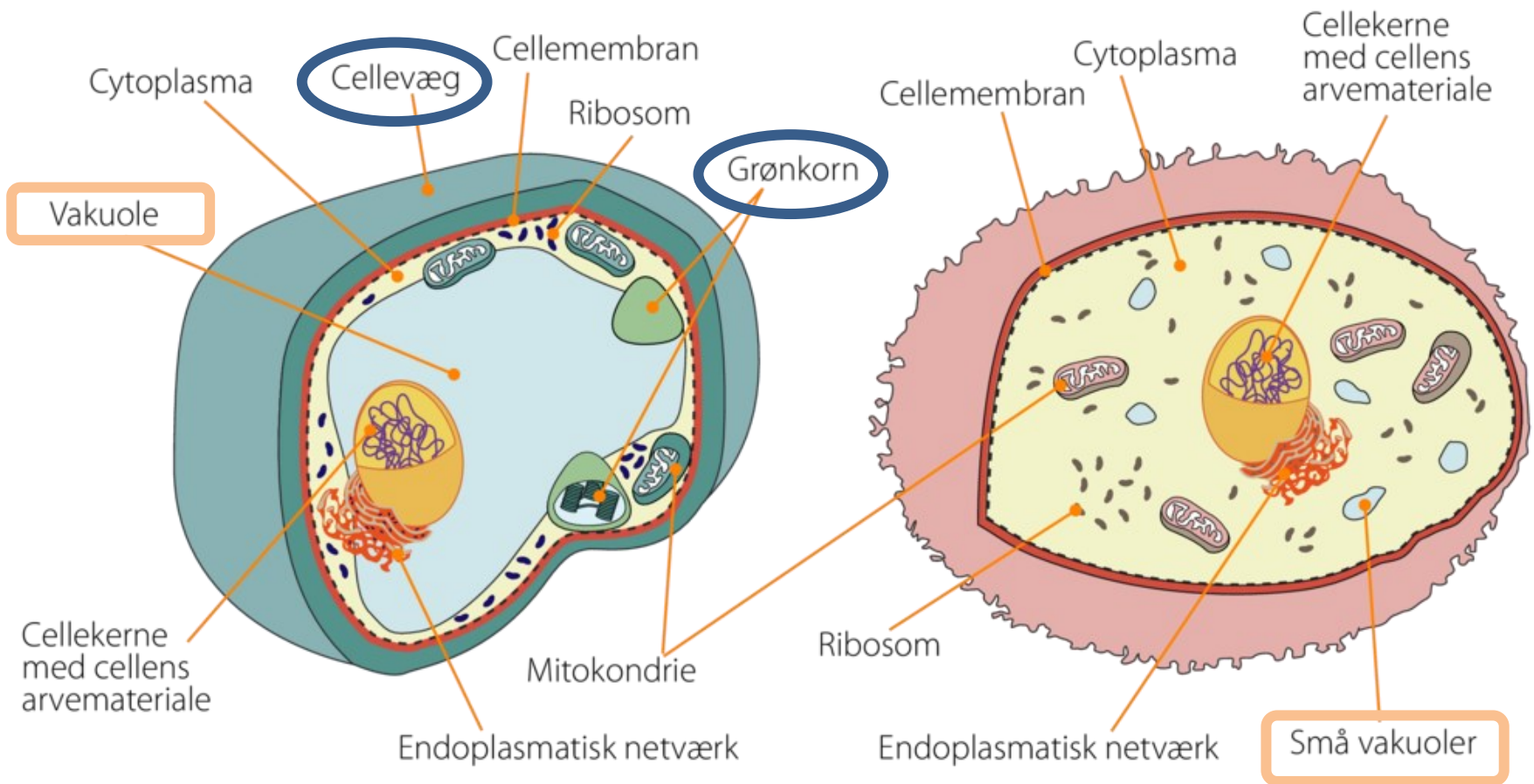
BAKTERIECELLE



PLANTECELLE

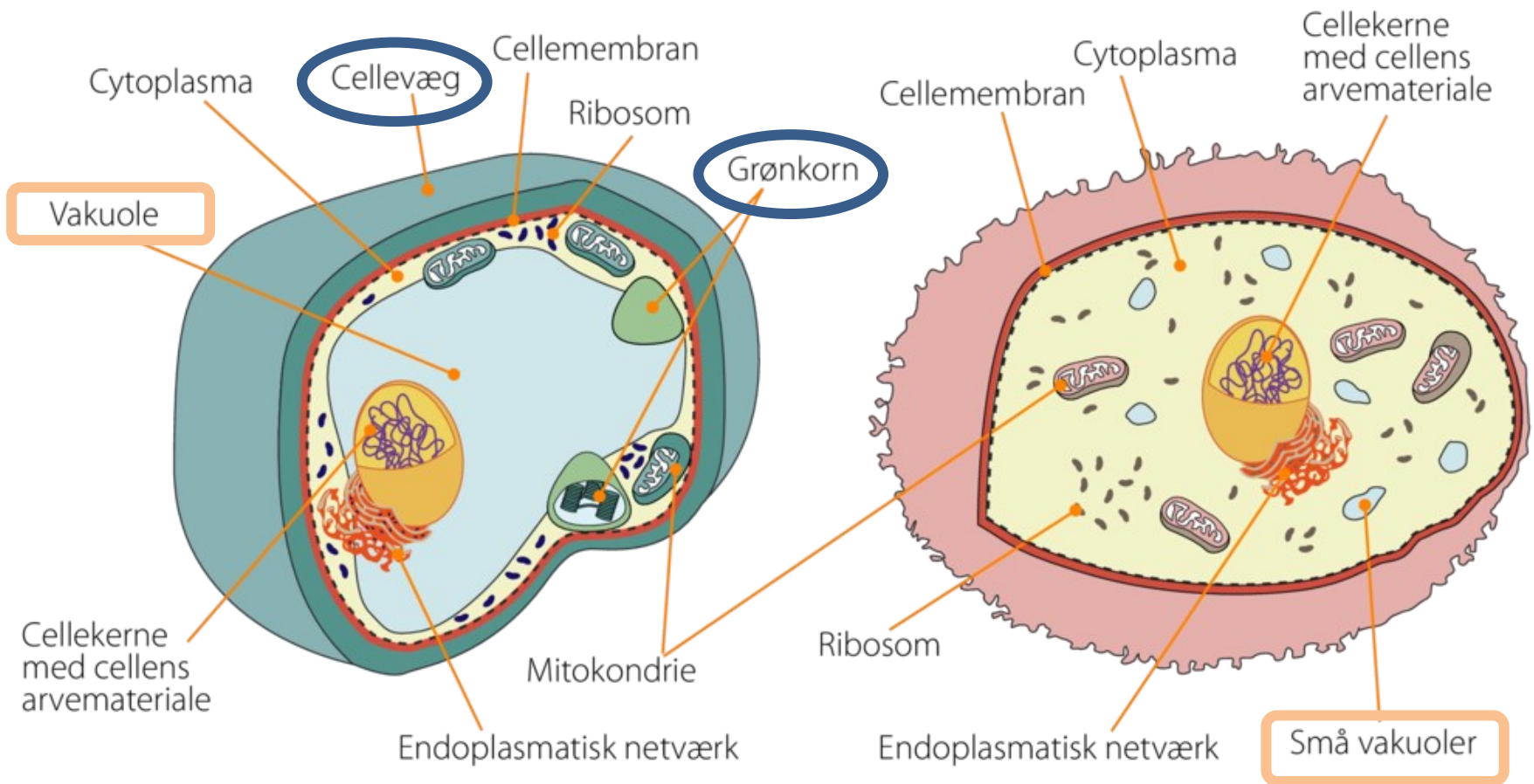


DYRECELLE



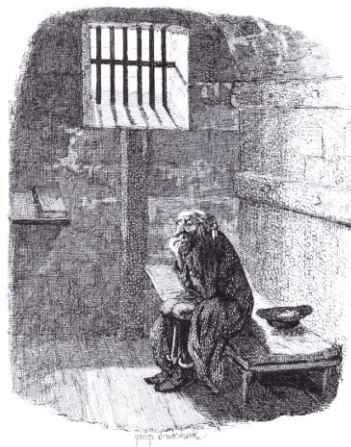
Tre forskelle

	PLANTECELLE	DYRECELLE
Vacuole	?	?
Grønkorn	?	?
Cellevæg	?	?

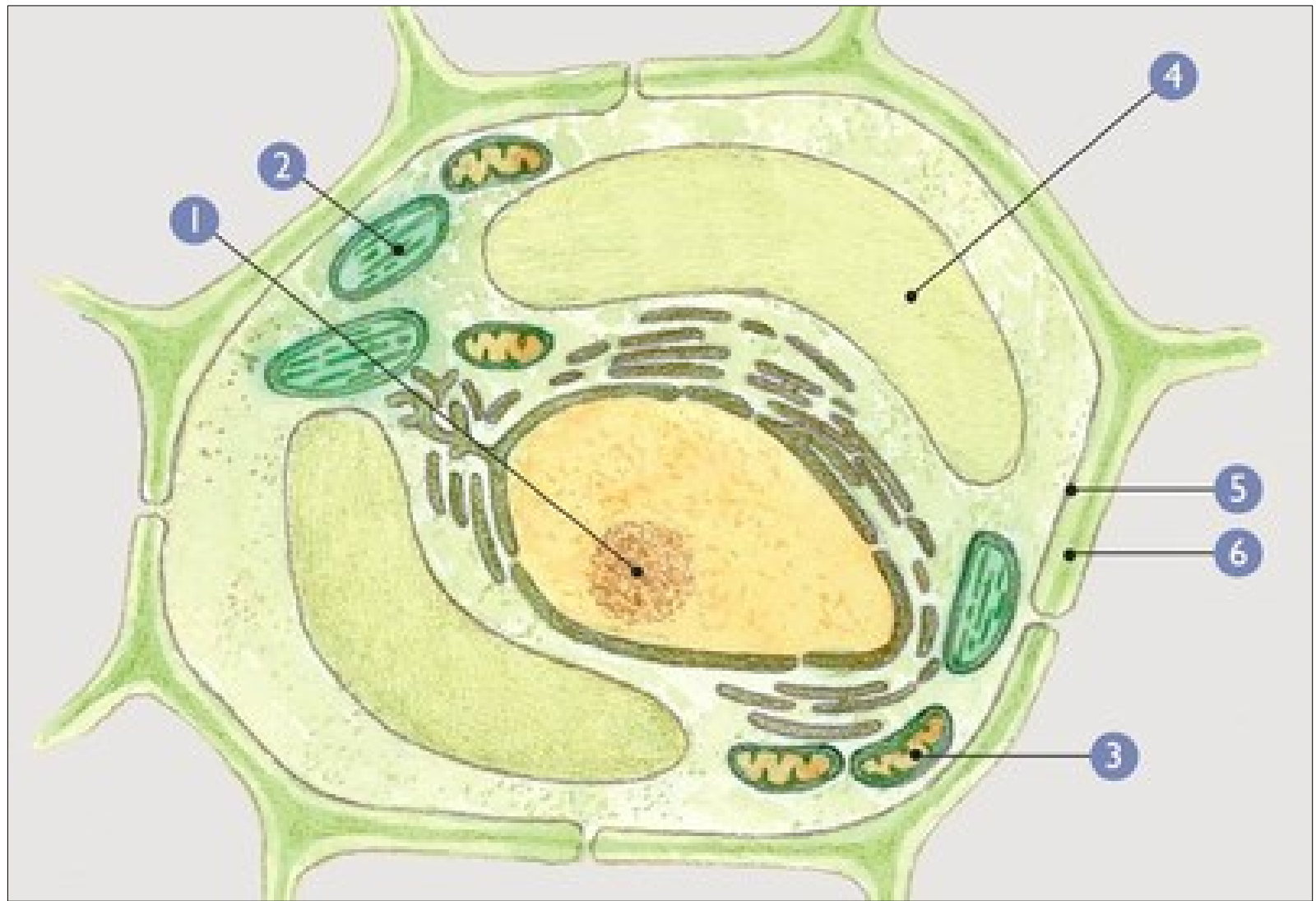


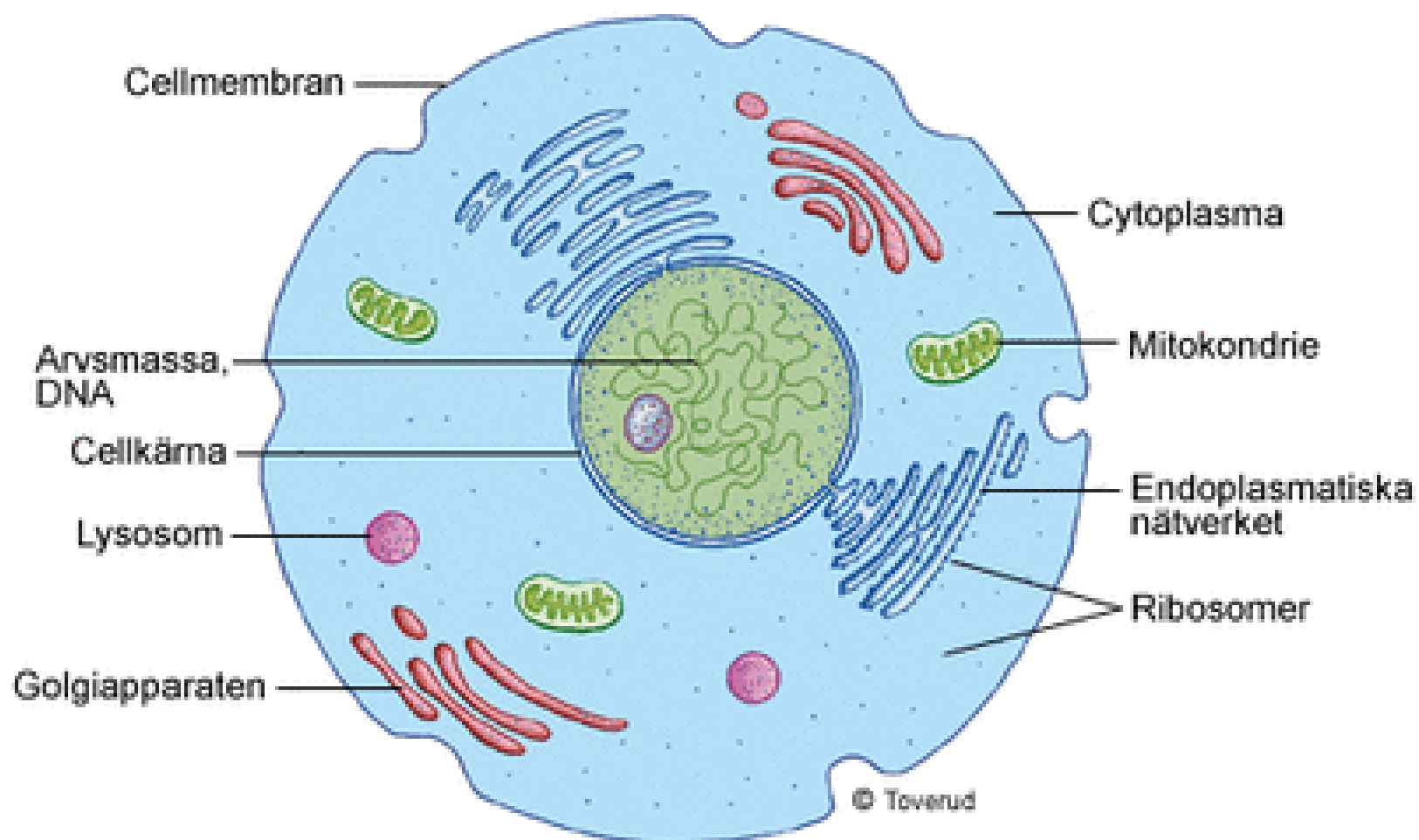
Tre forskelle

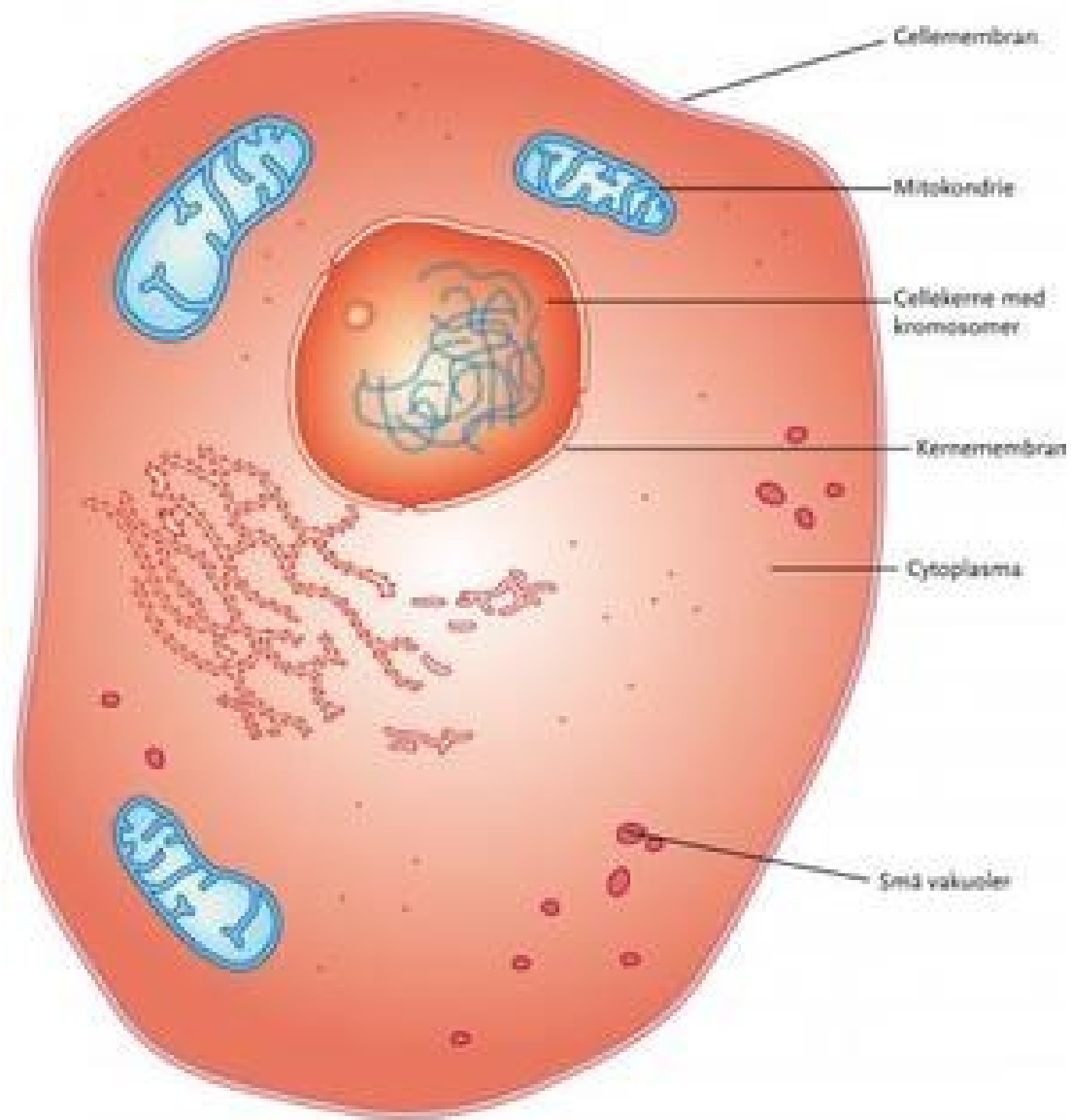
**DU SKAL NU AFGØRE
HVAD TYPE CELLE
DE NÆSTE BILLEDER VISER!**

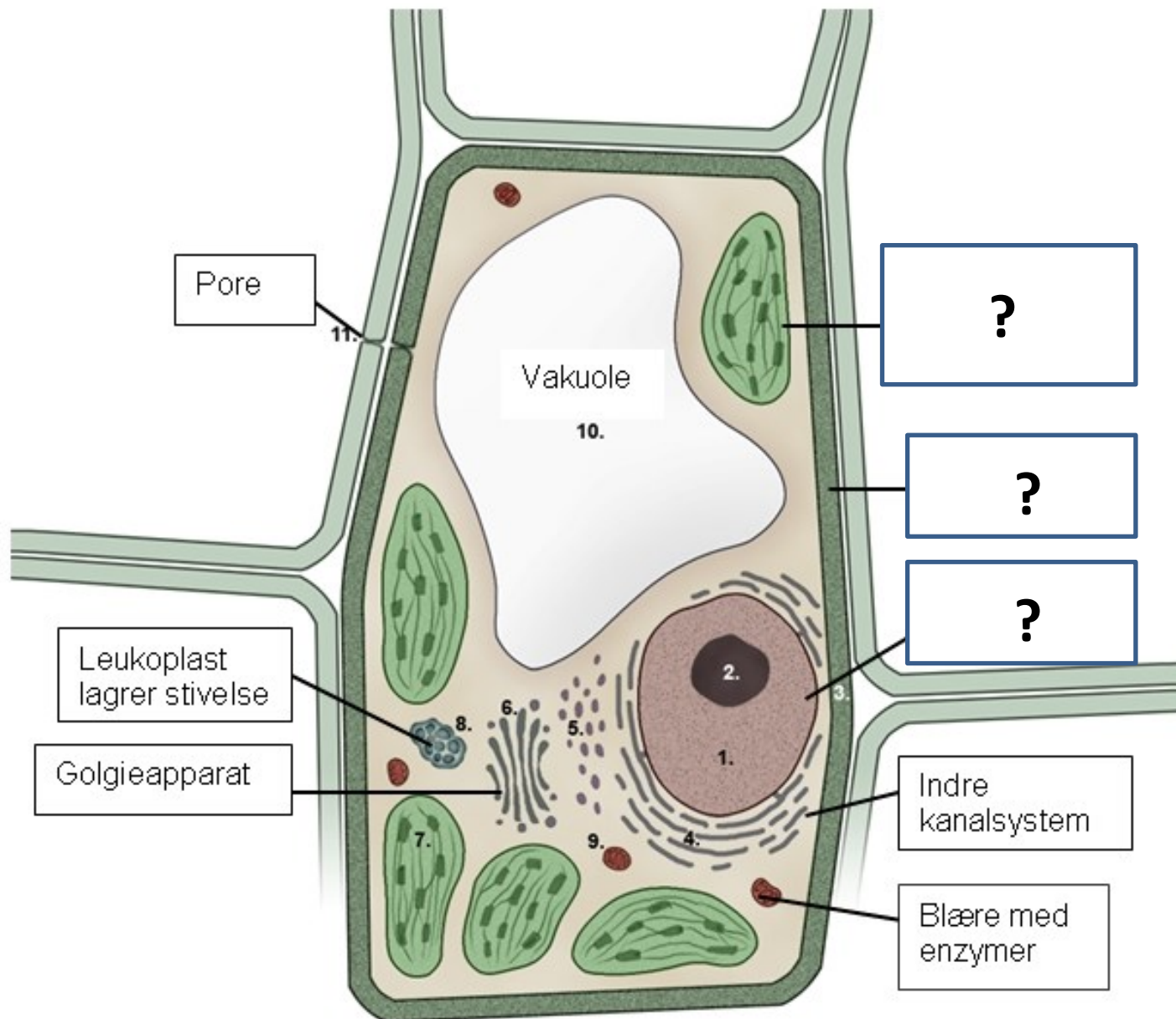


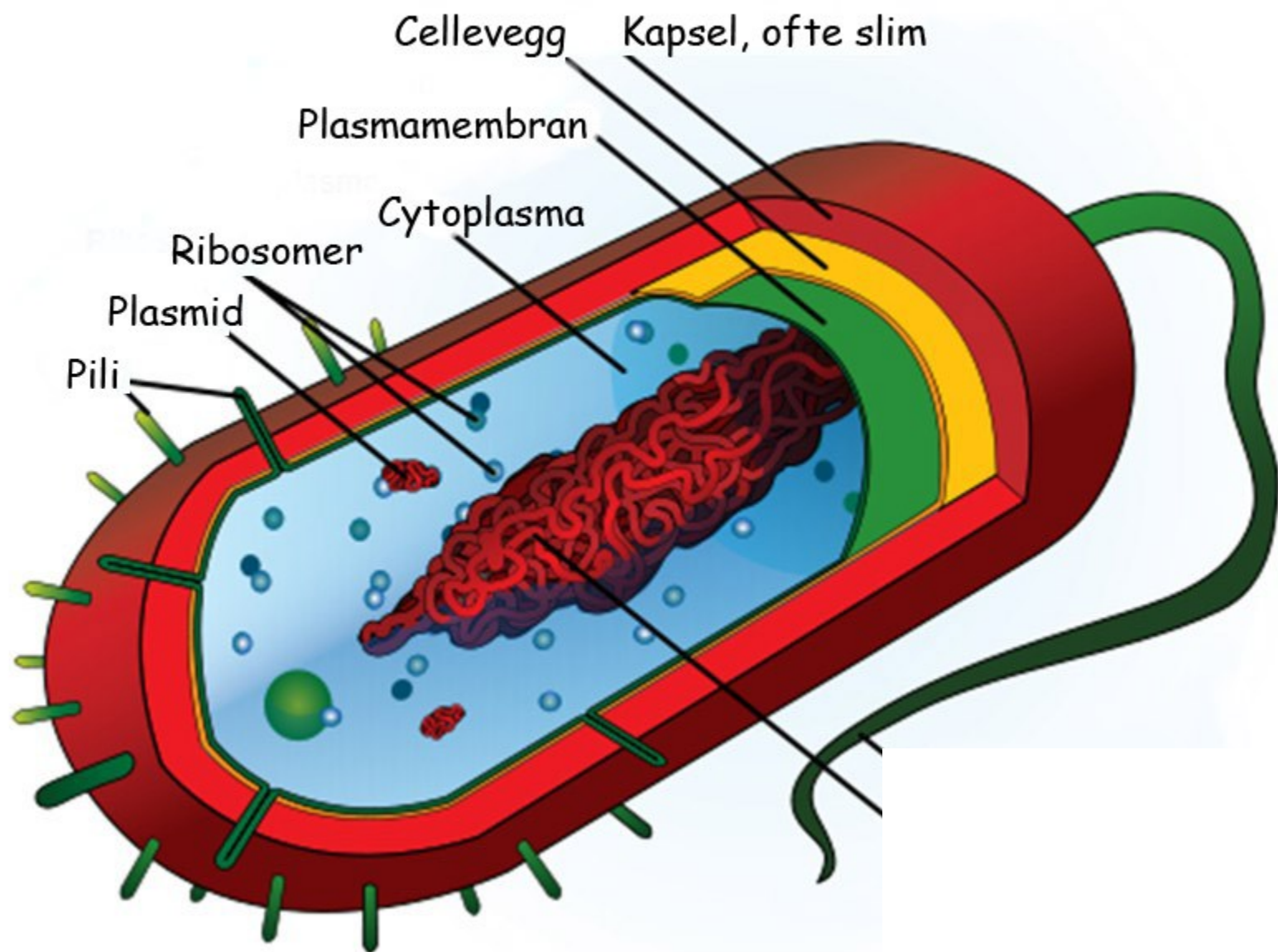
GENTAG LIGE FØRST HVOR MANGE TYPER CELLER DER FINDES!





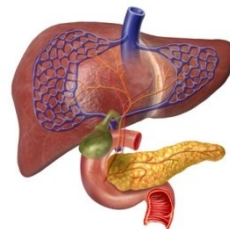
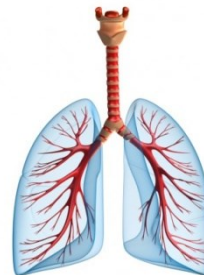
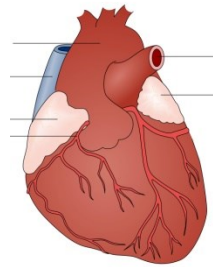






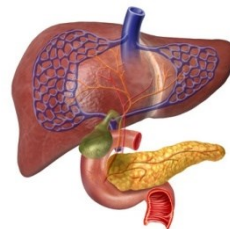
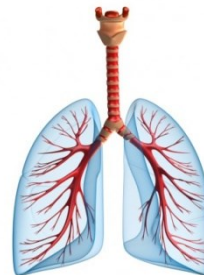
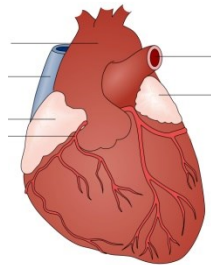


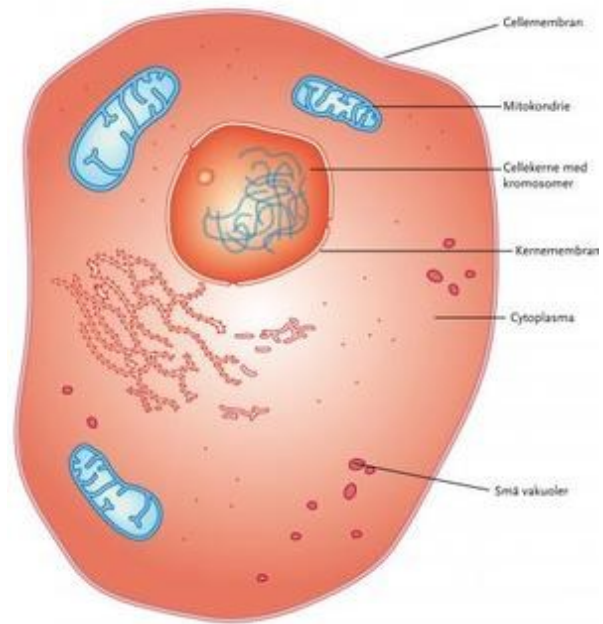
ET DYR INDEHOLDER
?



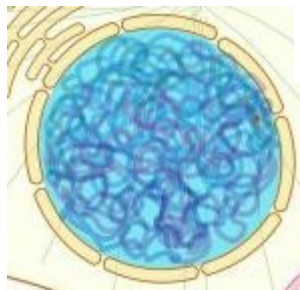


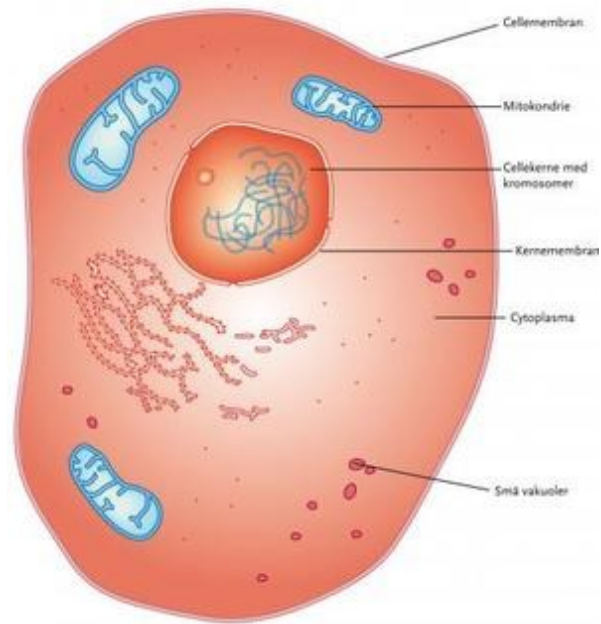
ET DYR INDEHOLDER
ORGANER



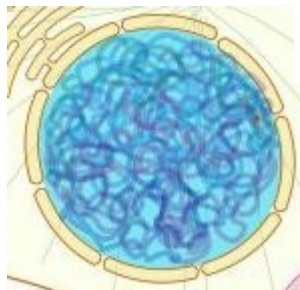


EN CELLE INDEHOLDER
?





EN CELLE INDEHOLDER **ORGANELLER**



CELLEVÆG

HVILKEN BETYDNING HAR DEN ?



CELLEMEMBRAN

HVILKEN BETYDNING HAR DEN ?





EN ORGANEL:

MITOCHONDRIER

HVILKEN BETYDNING HAR DE ?



EN ORGANEL:

MITOCHONDRIER

CELLENS ENERGIFABRIKKER:

SKAFFER ENERGI VED FORBRÆNDING

EN ORGANEL:

GRØNKORN

HVAD SKER DER I GRØNKORNENE ?



EN ORGANEL:

KERNEN

HVAD INDEHOLDER KERNEN ?

