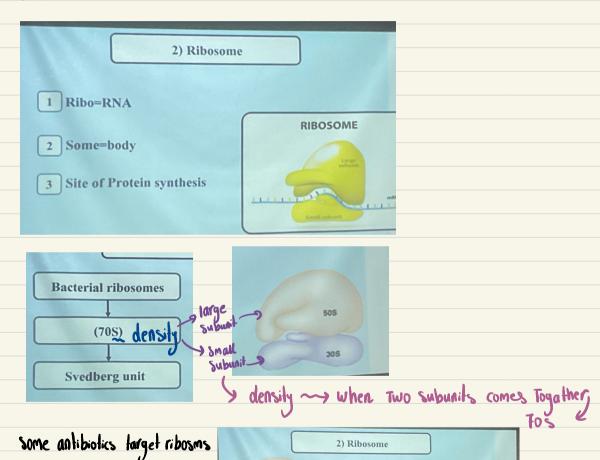
### Bacterial Structure

### 2 - RNA



60S

405

Target of antibiotics
30S



### Store of nutrient

- Glycogen
- 2- Starch
- 3-Phosphate



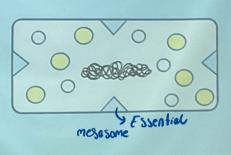
Volutin granule

(Metachromatic

granules)

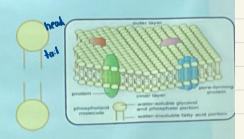
### A) Definition of the cell membrane

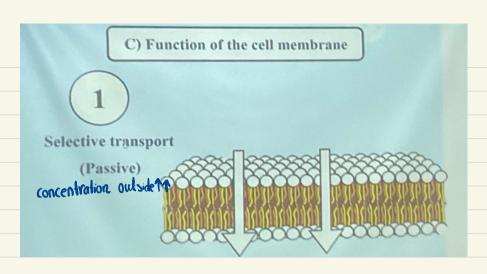
Thin, fragile membrane located just inside the cell wall

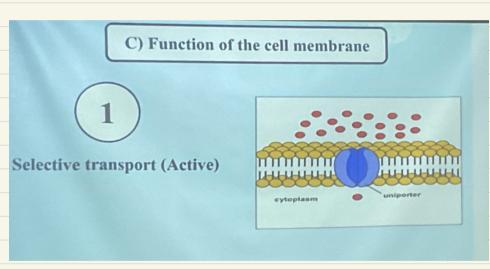


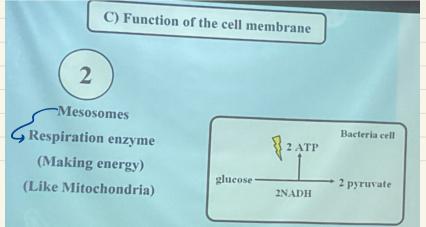
### B) Composition of cell membrane

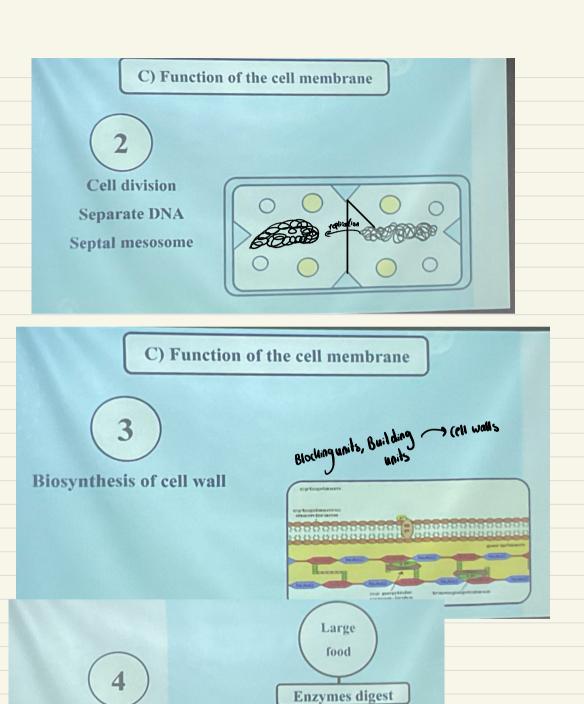
+ Protein
(No sterols)







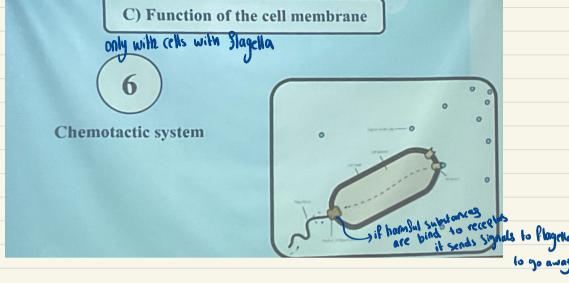


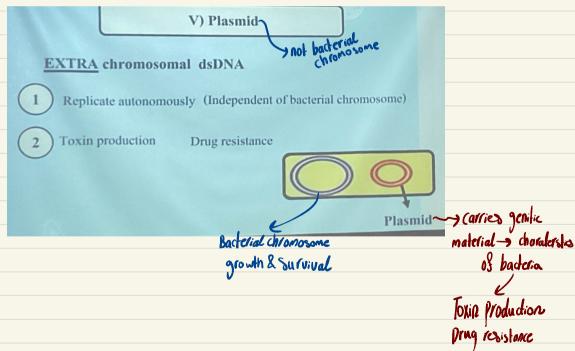


Excretion of extracellular enzymes

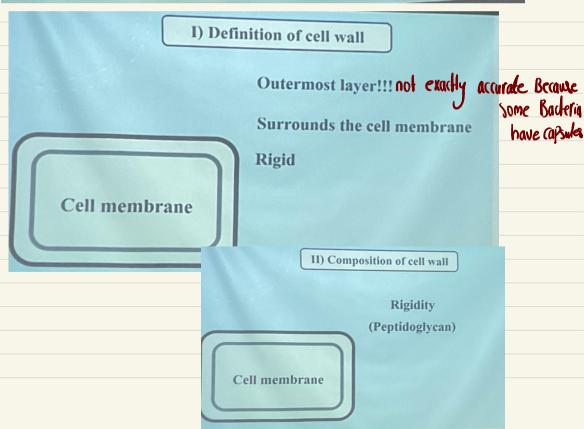
(Hydrolytic enzymes)
(Penicillinase) > Protection of antibio

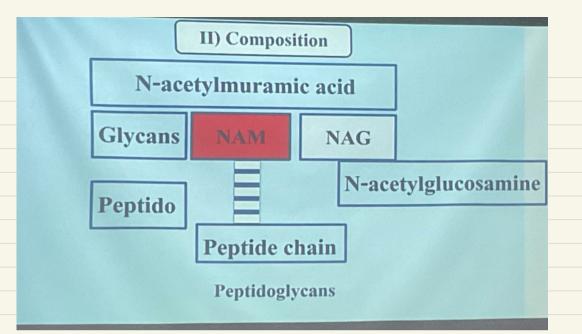
Penetrate cell membrane

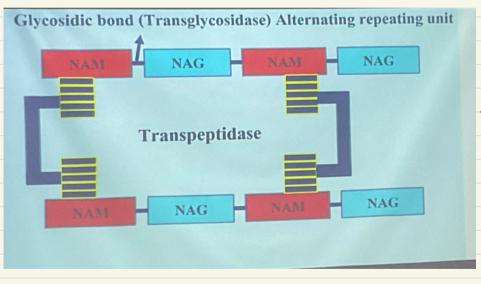




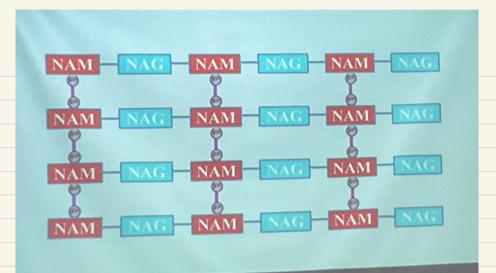
# Objectives Cell wall Definition Composition Function Cell wall Deficient

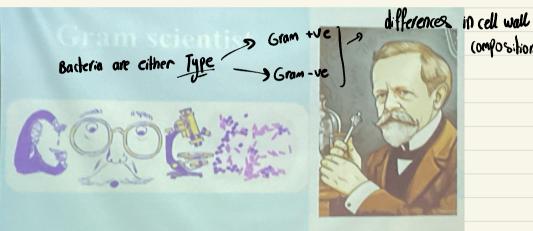




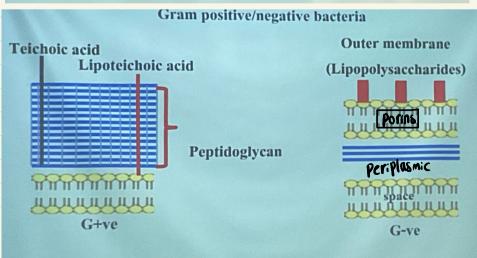


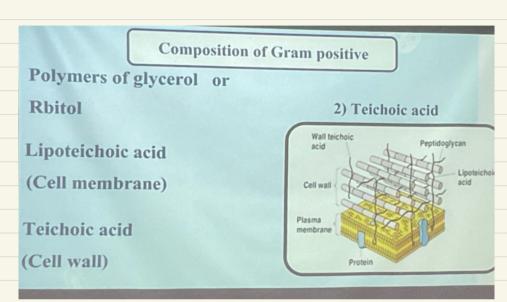
anlibodies work on cells being replicated

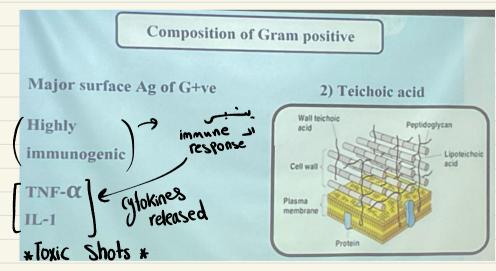


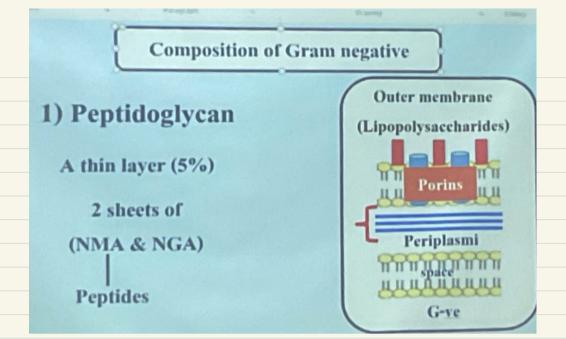


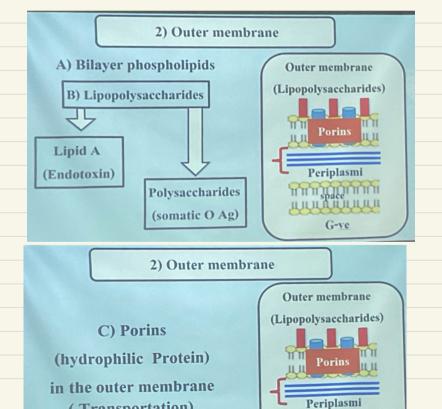
(omposition









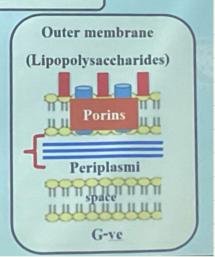


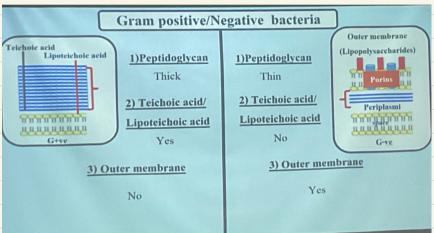
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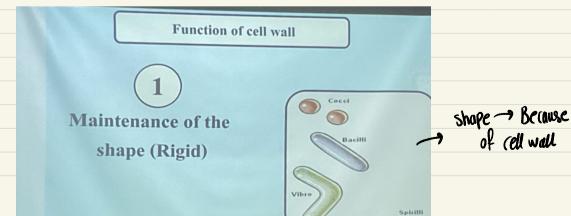
(Transportation)

### 3) Periplasmic space

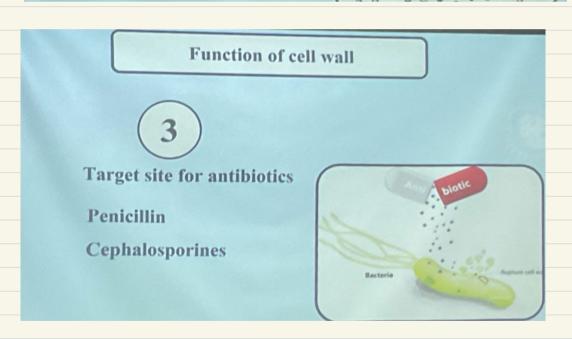
Space between cytoplasmic &
outer membrane
Peptidoglycan layer &
gel-like protein



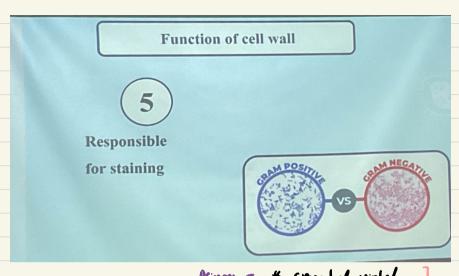




### Protection (Osmosis insensitive)



4- division



Primary = \* (rystal violet

Stain) \* 10dine

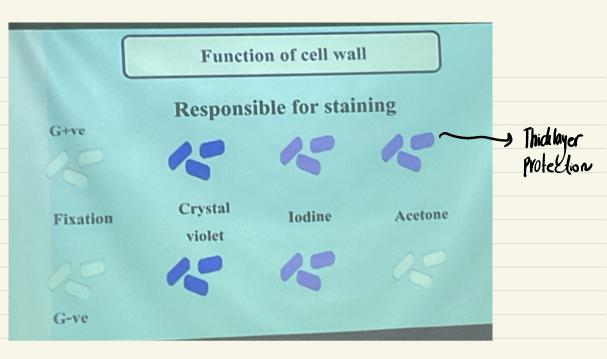
Critical \* acetone - 901 alcohol

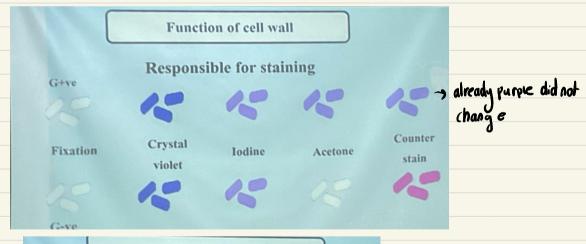
Step

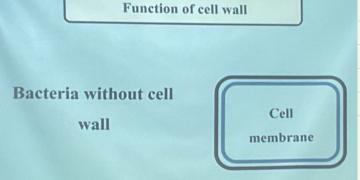
Edecolorization

\* Sulfininc

Washing Between steps







## 1) Naturally 2) Induced Mycoplasma (Sterol) Cell wall inhibitors Lysozyme

