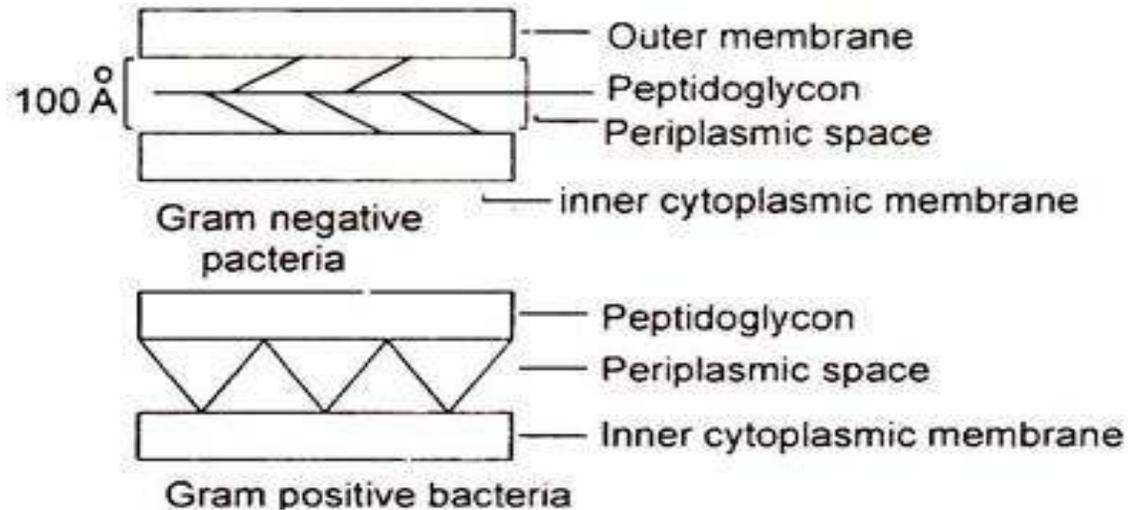
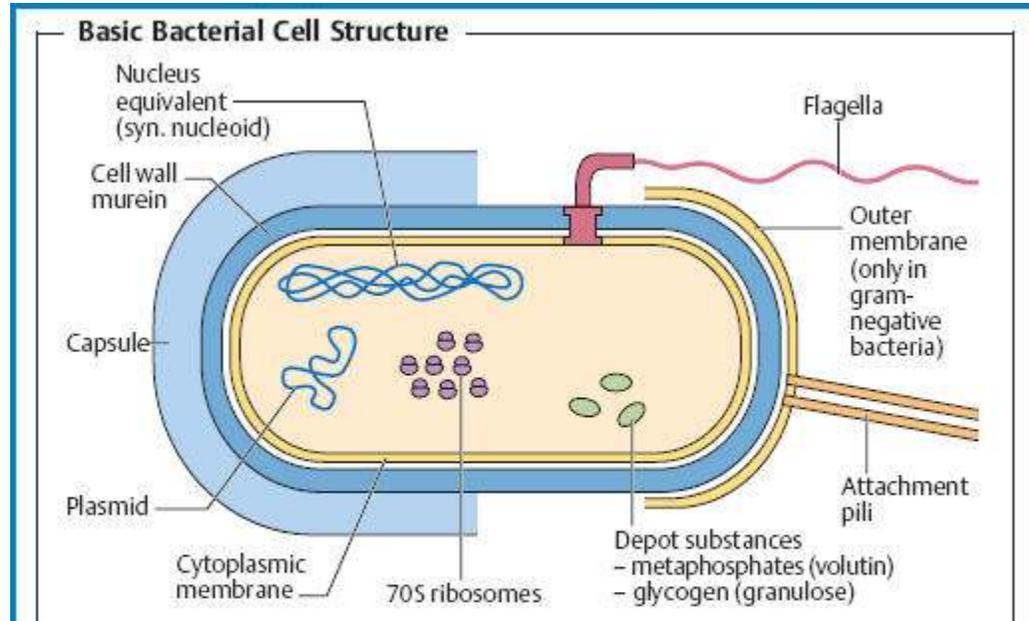


# Fine structure of bacteria



## Bacterial cell structure

- organized into 3 categories :
- **Internal Structures:** Cytoplasm, nucleoid, bacterial chromosome, plasmid, ribosomes, and storage granules
- **Cell envelope:** cell membrane, peptidoglycan cell wall or an **outer lipid membrane** (only found in Gram-negative cells)
- **External structures** (appendages & coverings): flagella, fimbriae, sex pilus and glycocalyx