

X Difference between Gram +ve and Gram -ve cell-wall:-

Wall:-

Gram +ve cell-wall	Gram -ve cell-wall
① Cell wall is thick.	① Cell wall is thin.
② Few Amino acids Present.	② Many Amino acids Present.
③ Sulfur containing amino acids Absent.	③ Sulfur containing amino acids Present.
④ Teichoic-acid Present.	④ Teichoic-acid absent.
⑤ Peptidoglycan Present.	⑤ Peptidoglycan Present in less quantity.
⑥ Lipoproteins absent.	⑥ Lipoproteins Present.
⑦ Lipo-Polysaccharide absent.	⑦ Lipo-Polysaccharide Present.
⑧ Polysaccharide Present.	⑧ Polysaccharide Absent.

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③ Cytoplasm:- It is a viscous substance like in eukaryotes, but without streaming movements.

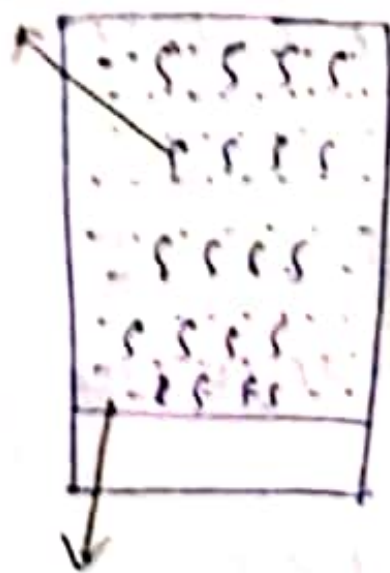
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⇒ It includes ribosomes, nuclear material, protein, amino acids, various enzymes, inorganic ions, sugars, vitamins and other water soluble and reserve food-

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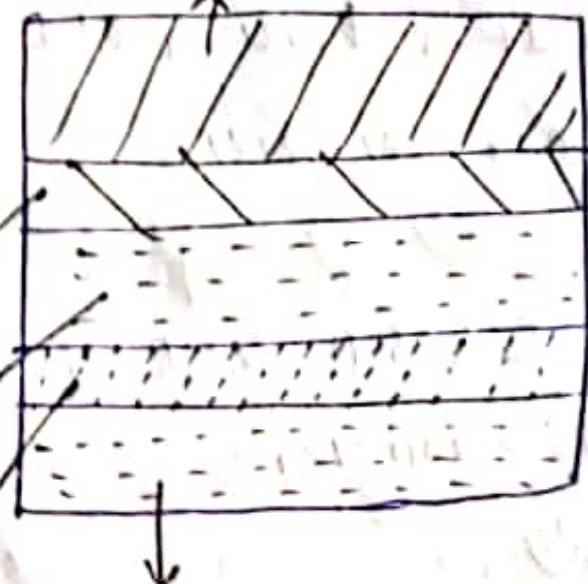
Tetrapeptide acid



Peptidoglycan

Gram -ve cell wall.

Lipopolysaccharides



phospho-lipid

Lipo-protein

peptidoglycan

cell membrane

Gram -ve cell-wall.

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