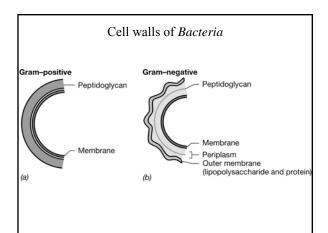
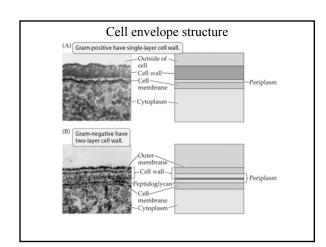
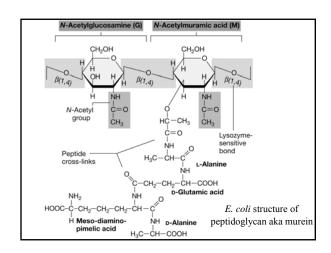
Comparing Prokaryotic and Eukaryotic Cells

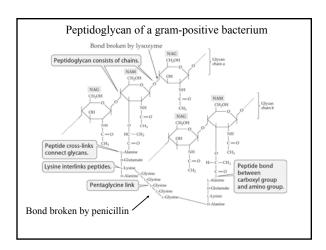
Classification of prokaryotic cellular features: Variant (or NOT common to all)

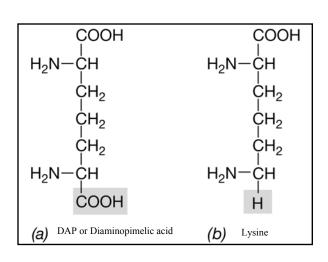
- Cell Wall (multiple barrier support themes)
- Endospores (heavy-duty life support strategy)
- Bacterial Flagella (appendages for movement)
- Gas Vesicles (buoyancy compensation devices)
- Capsules/Slime Layer (exterior to cell wall)
- Inclusion Bodies (granules for storage)
- Pili (conduit for genetic exchange)

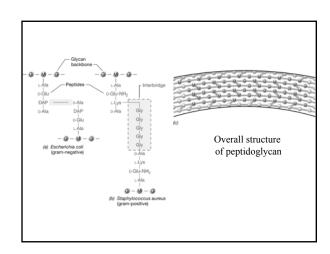


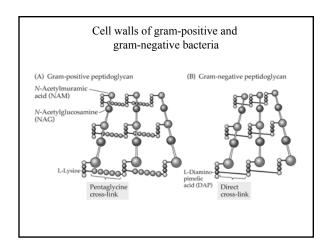


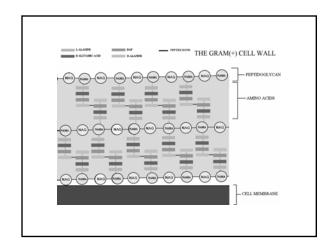


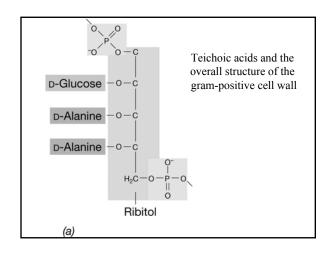


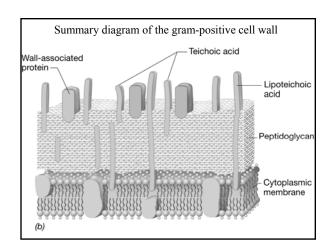


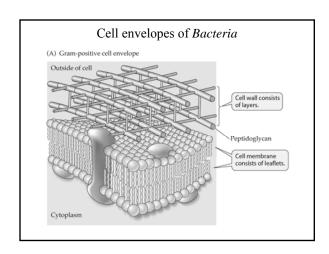


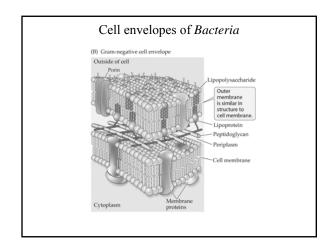


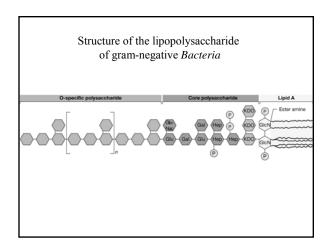


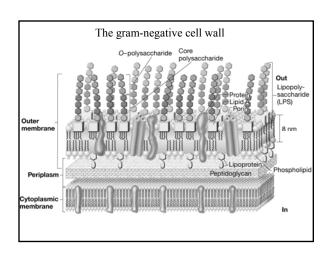


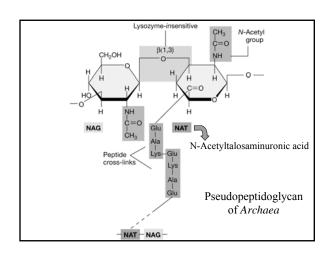


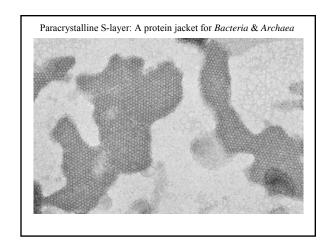


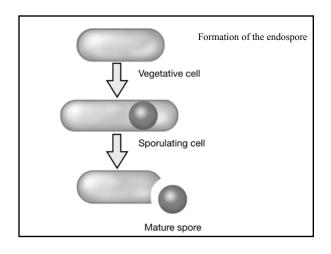


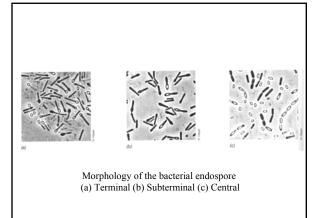












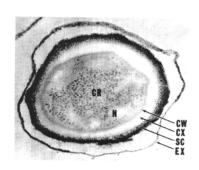
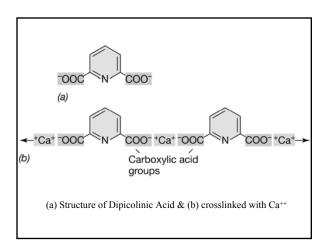
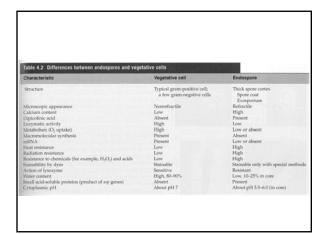
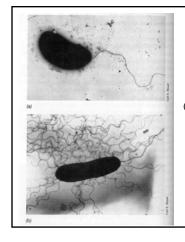


Figure 3.45 Endospore Structure. Bacillus anthracis endospore (x151,000). Note the following structures: exosporium, EX; spore coat, SC; cortex, CX; core wall, CW; and the protoplast or core with its nucleoid, N, and ribosomes, CR.







Bacterial flagella
(a) Polar (aka monotrichous)
&
(b) Peritrichous

