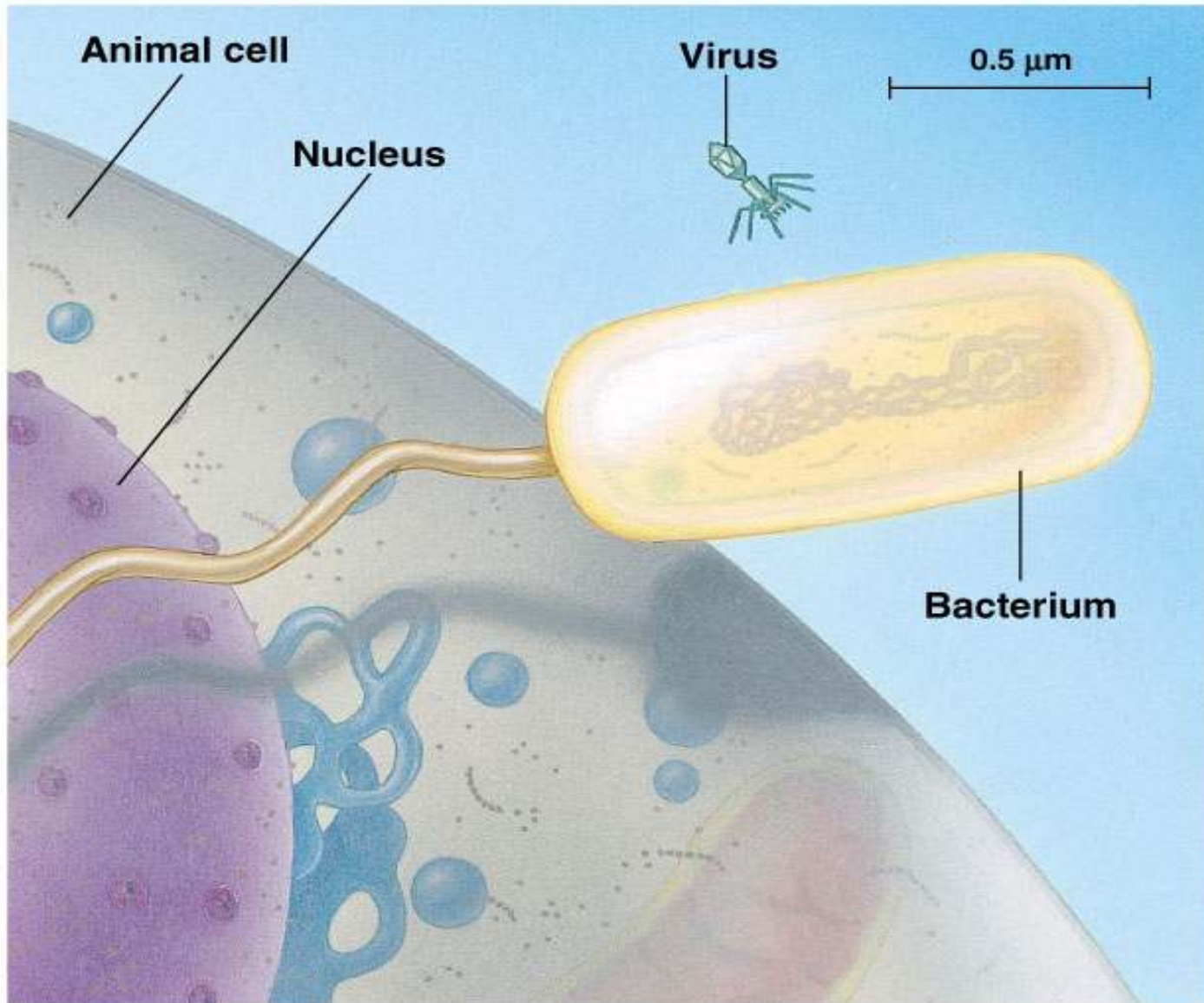


# Pre AP Biology

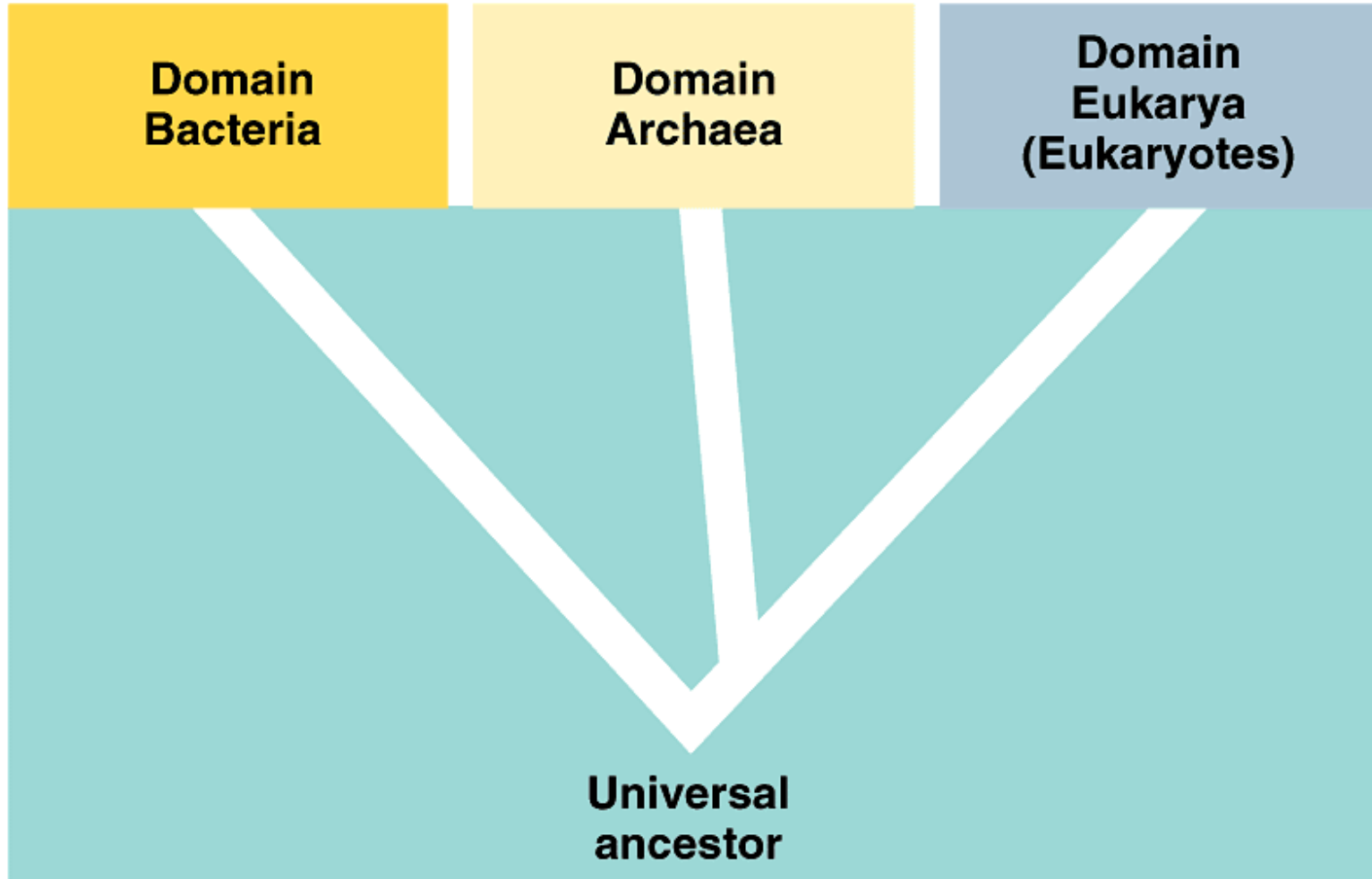
Bacterial Kingdom (8.3)

Part 1

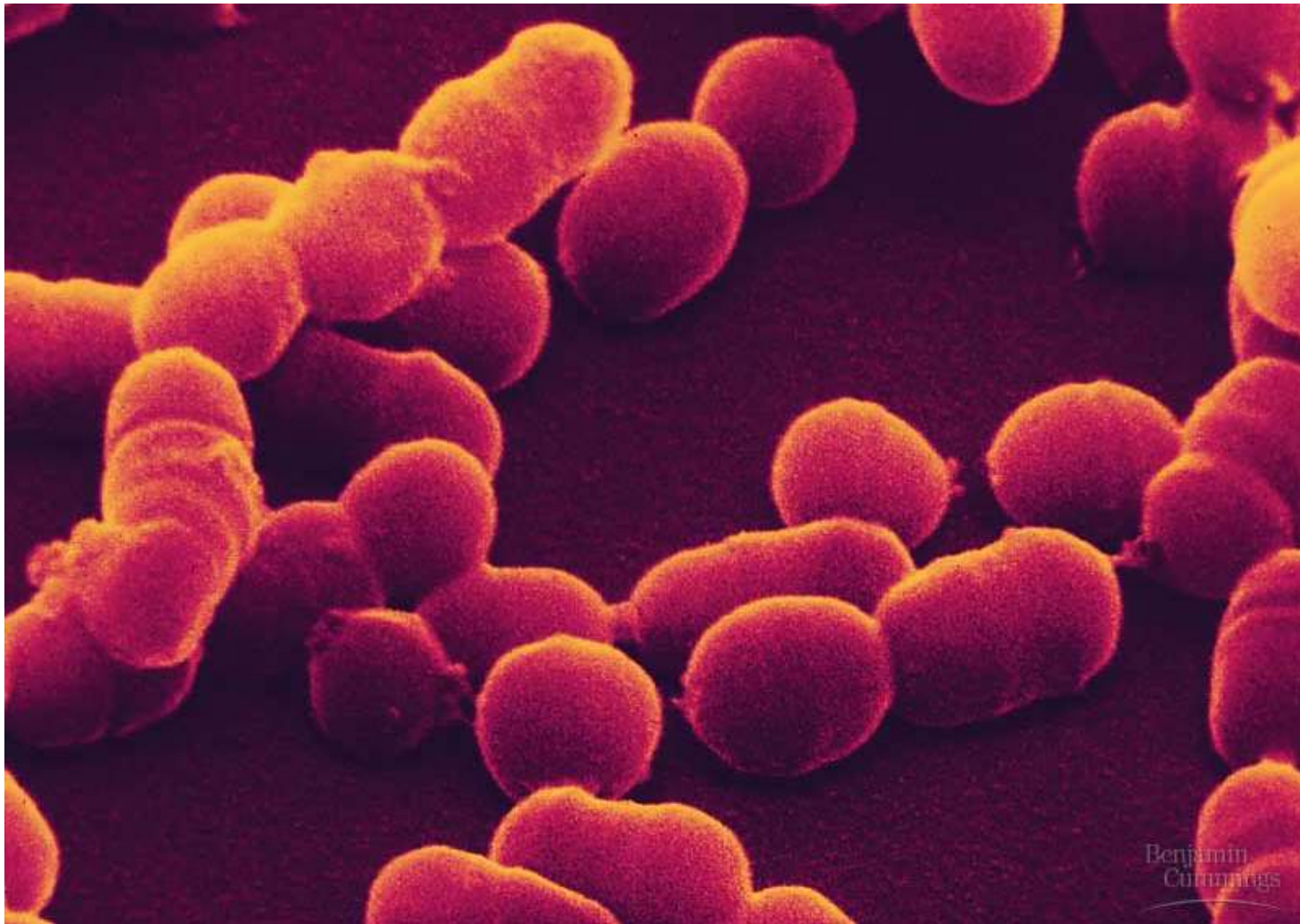
# Bacteria "size"



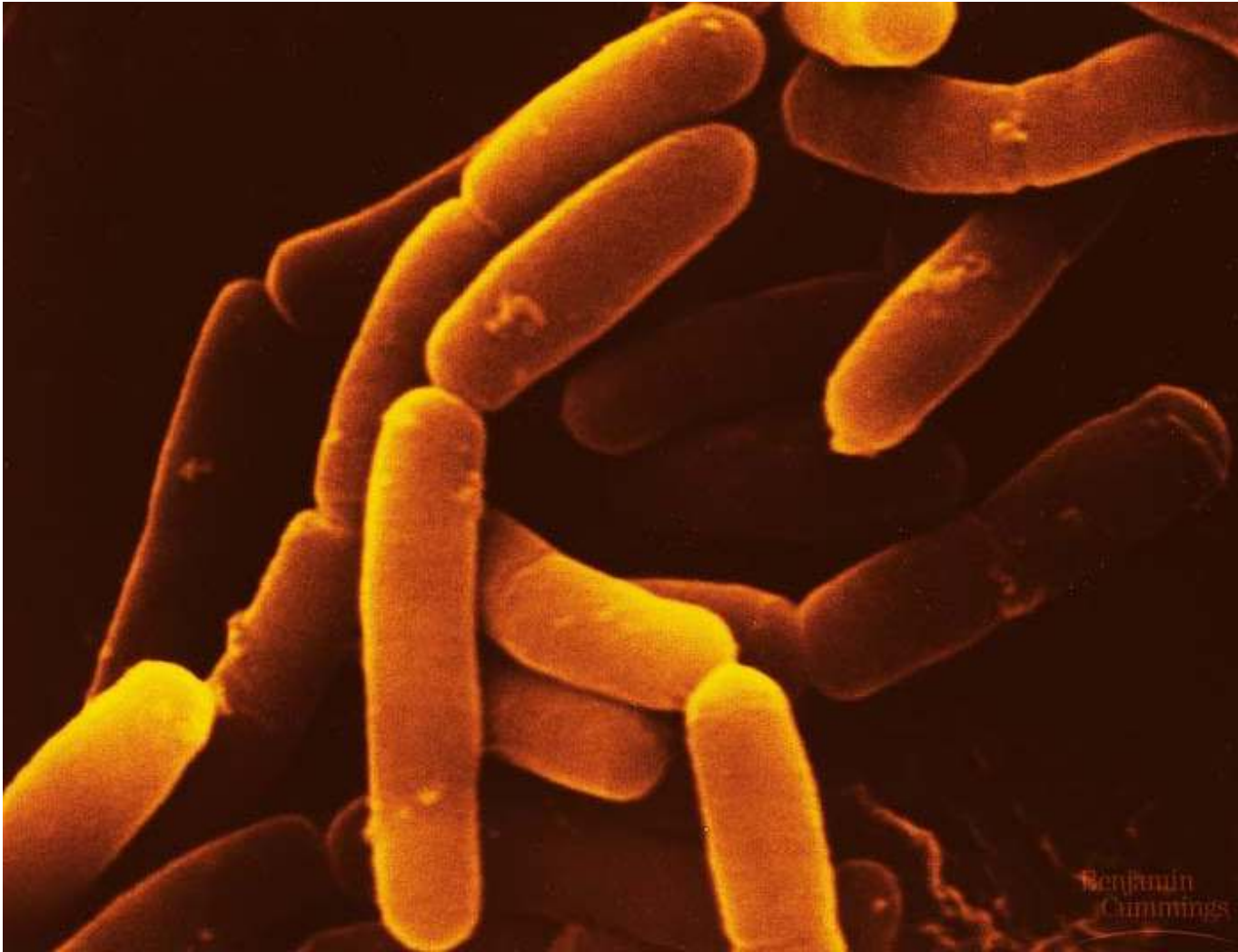
# Domains of Bacteria



# Cocci Bacteria



# Bacilli Bacteria



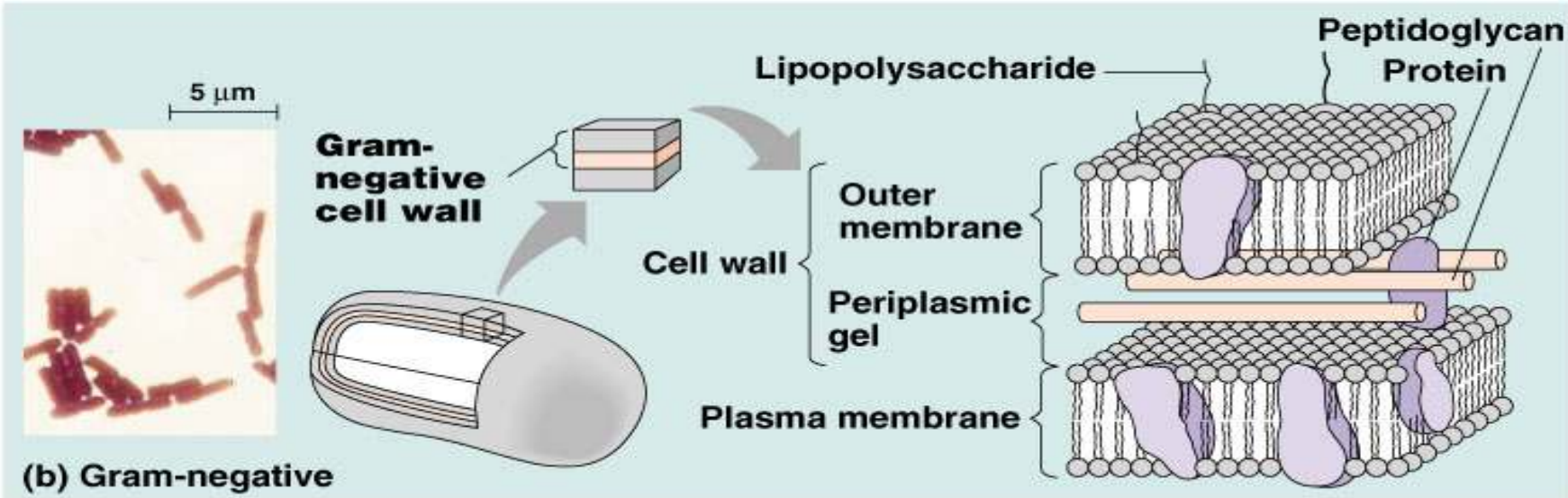
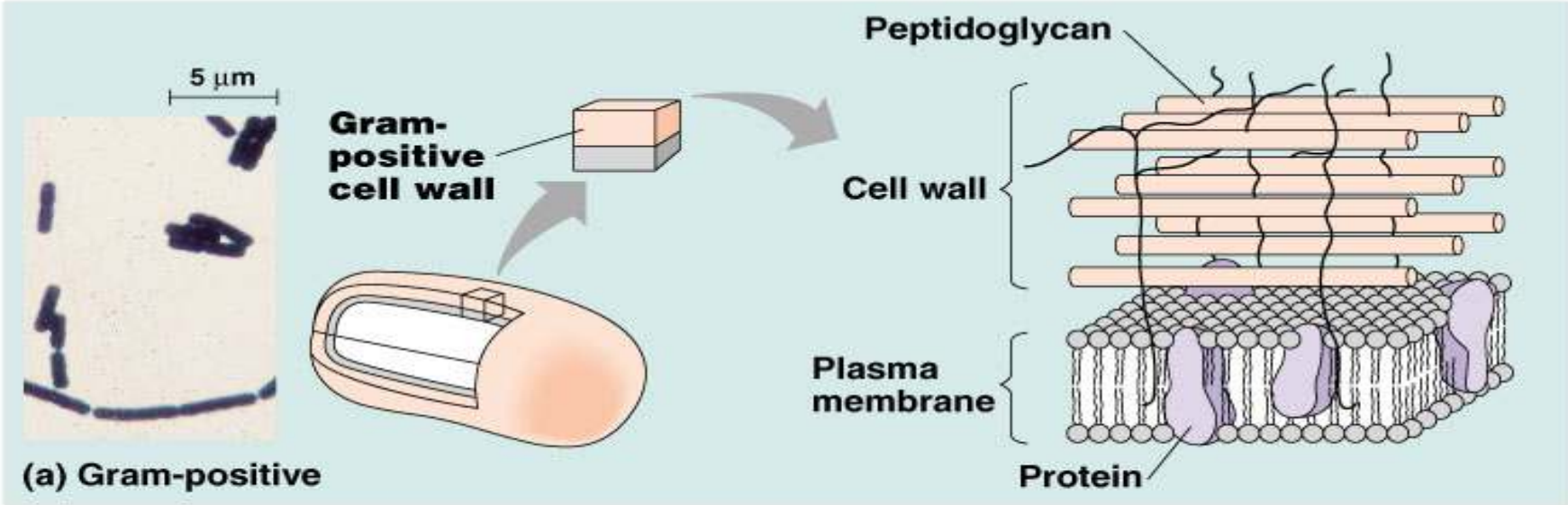


# Helical Bacteria

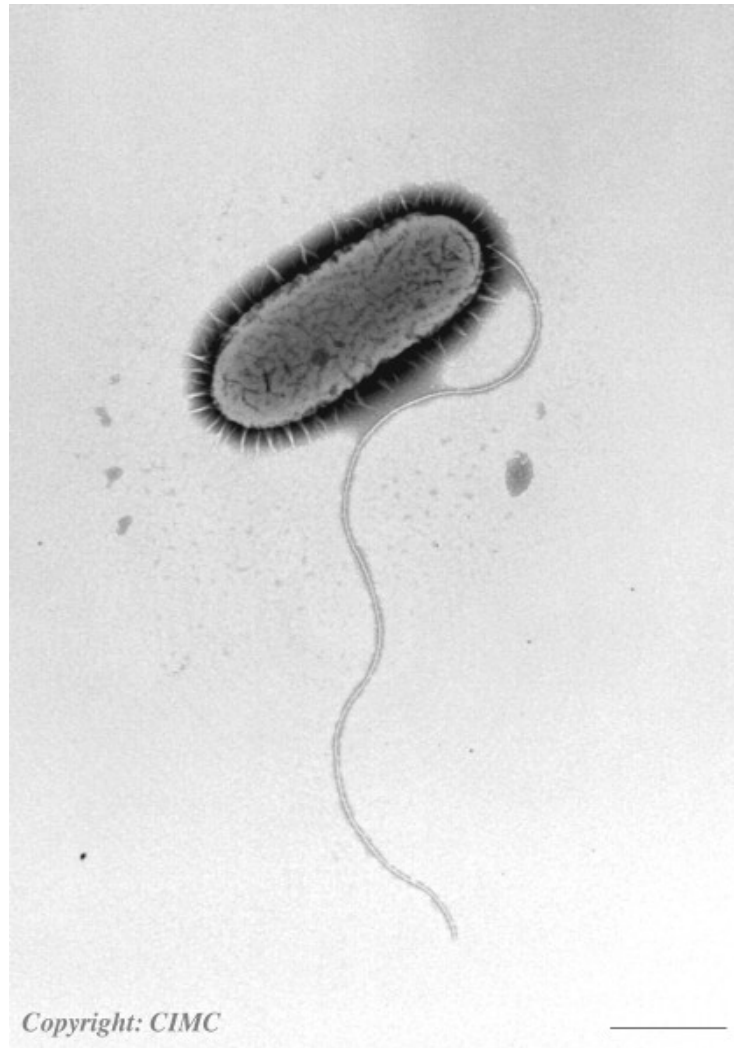


Benjamin  
Cummins

# Cell Wall and Gram Stain

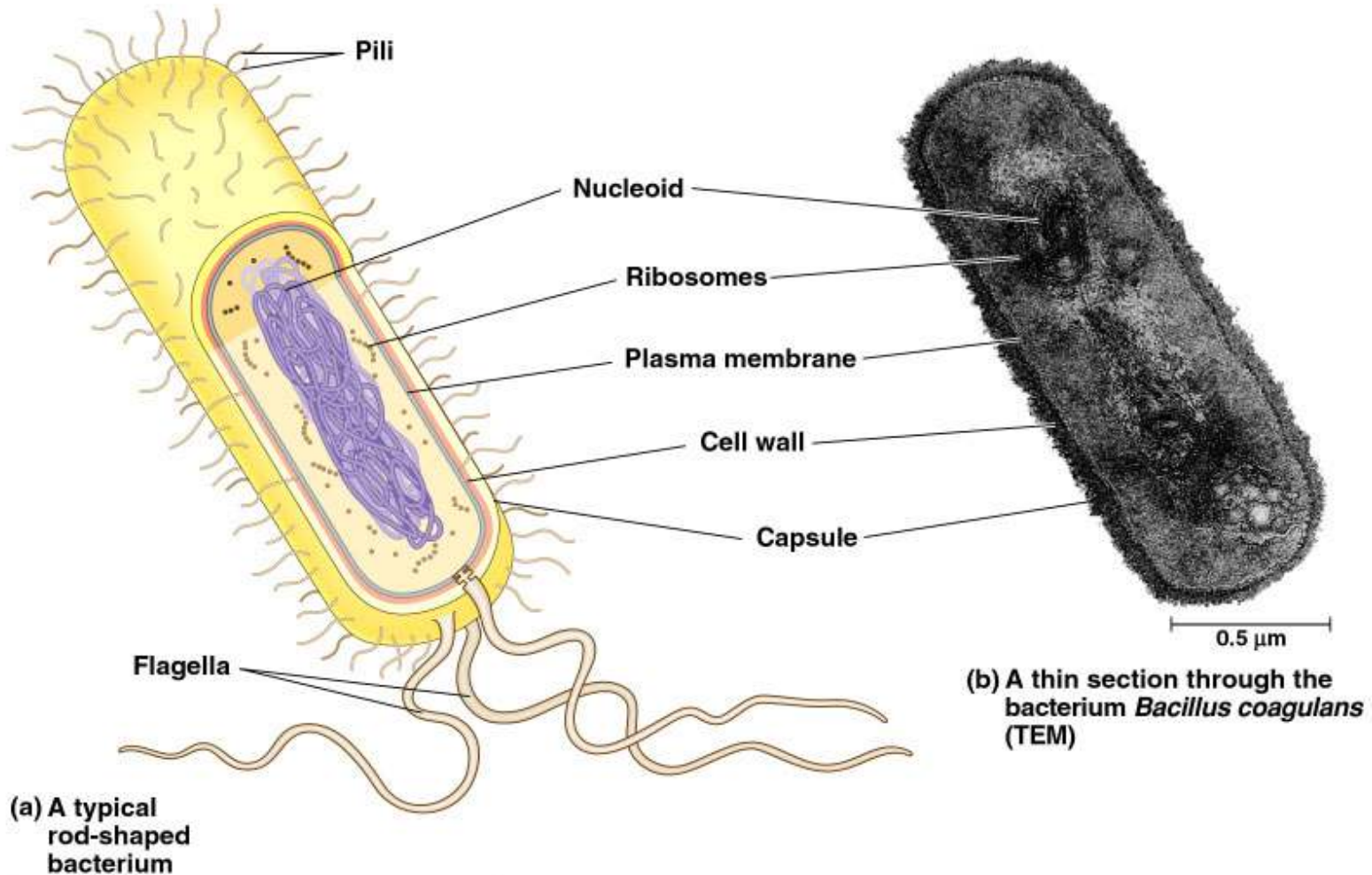


# Bacterial Movement Flagella

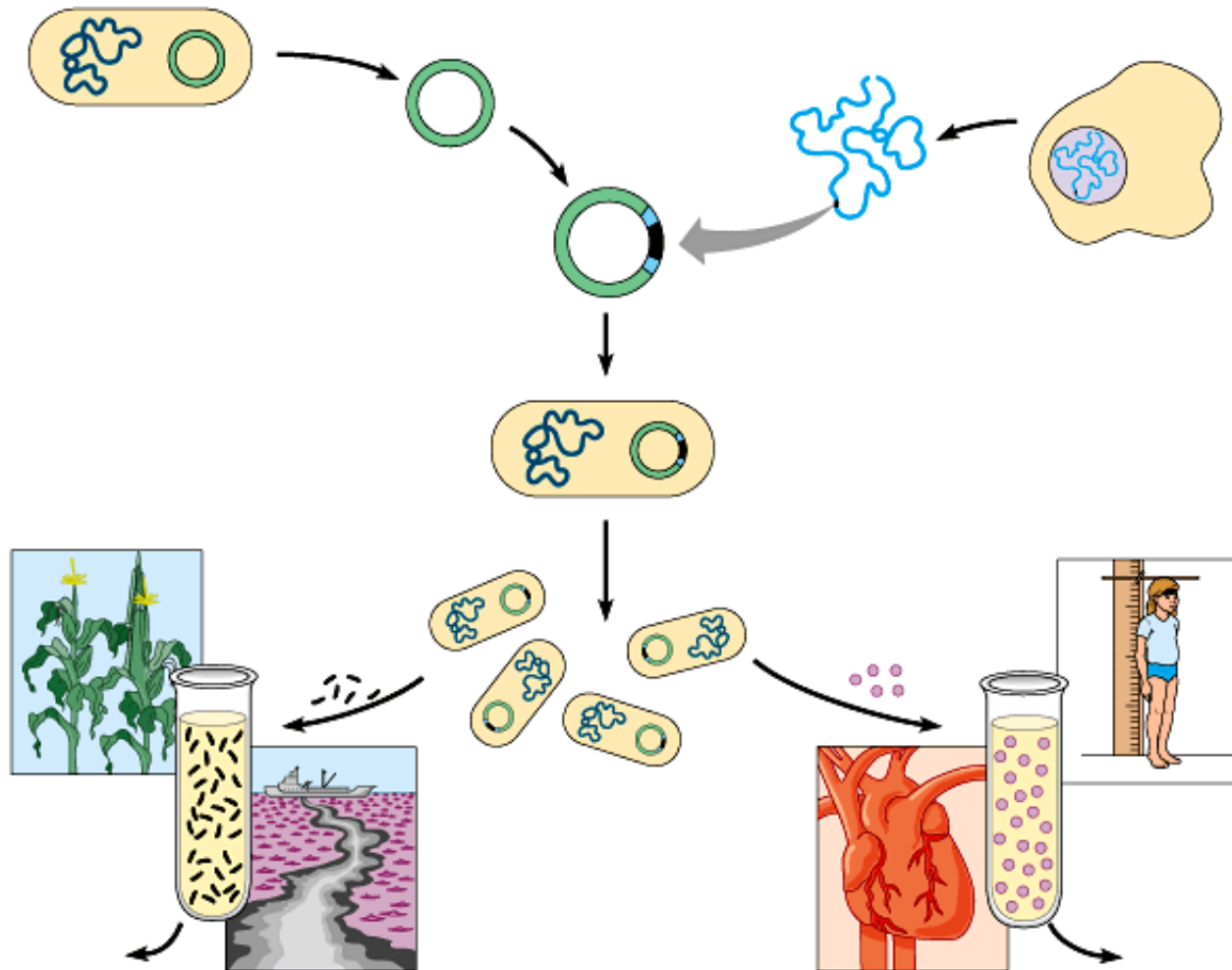




# Bacterial genome

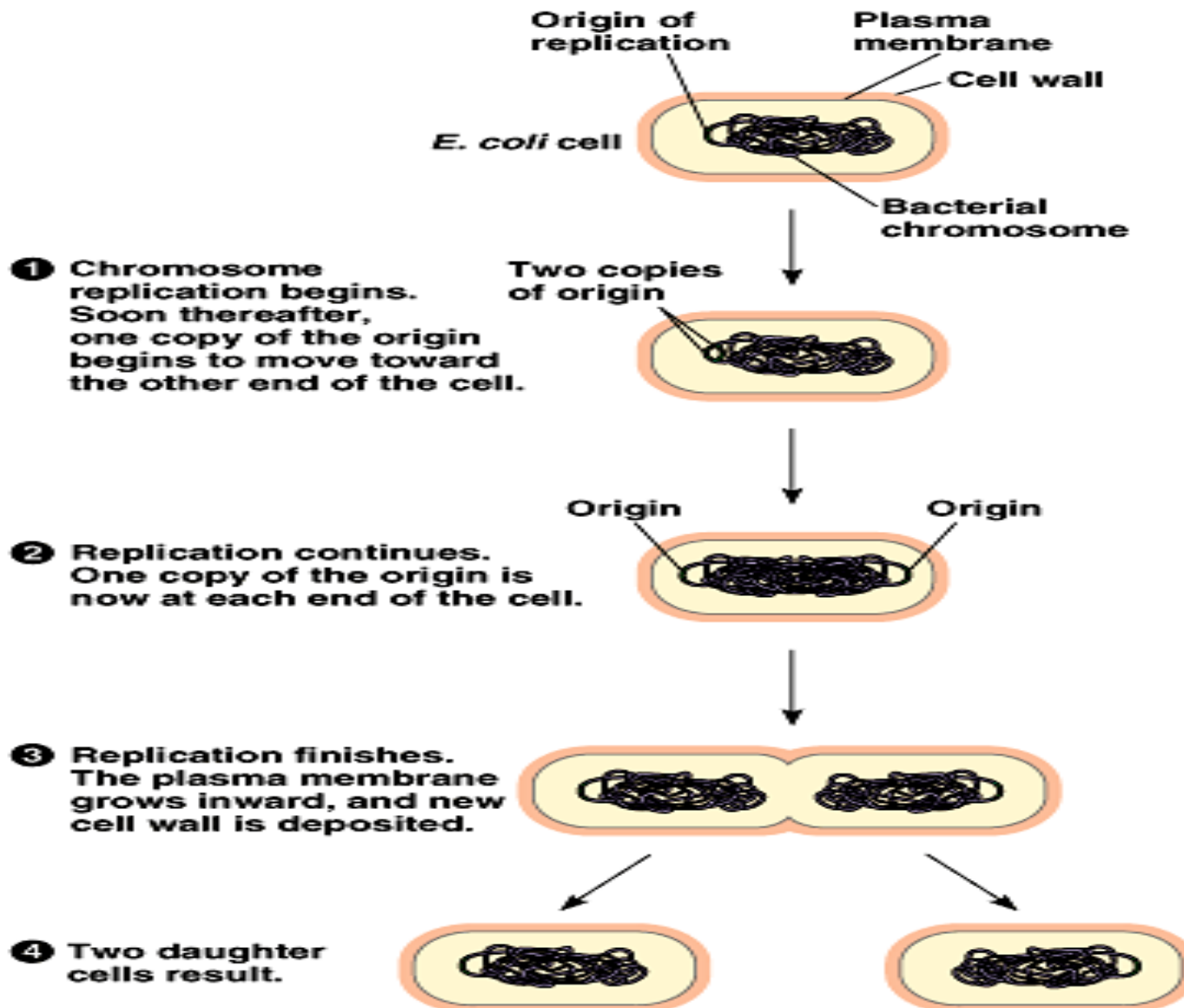


# Bacterial Plasmids

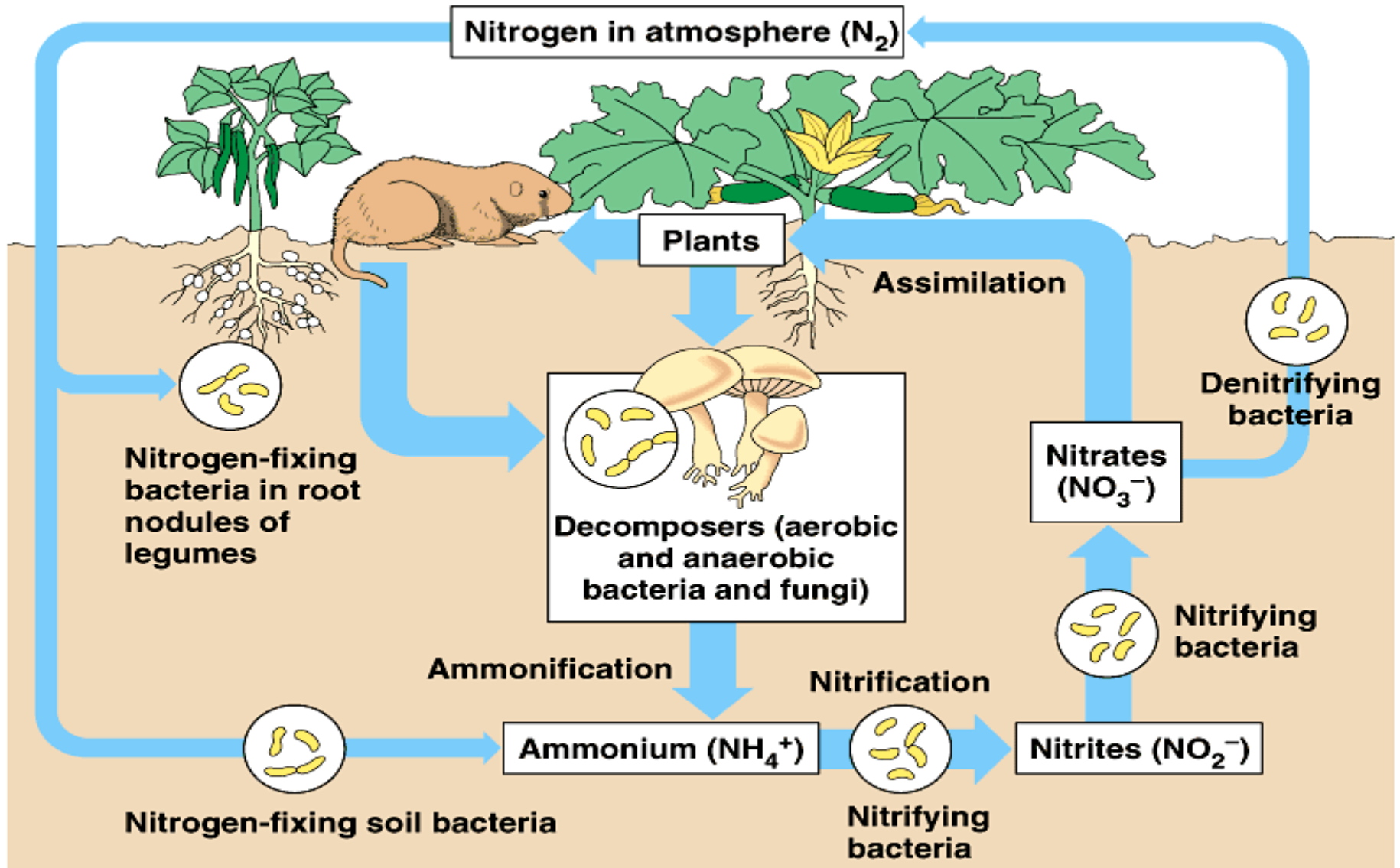


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# Binary Fission in Bacteria



# Nitrogen Cycle





# Bacterial Feeding Methods

**Table 27.1 Major Nutritional Modes**

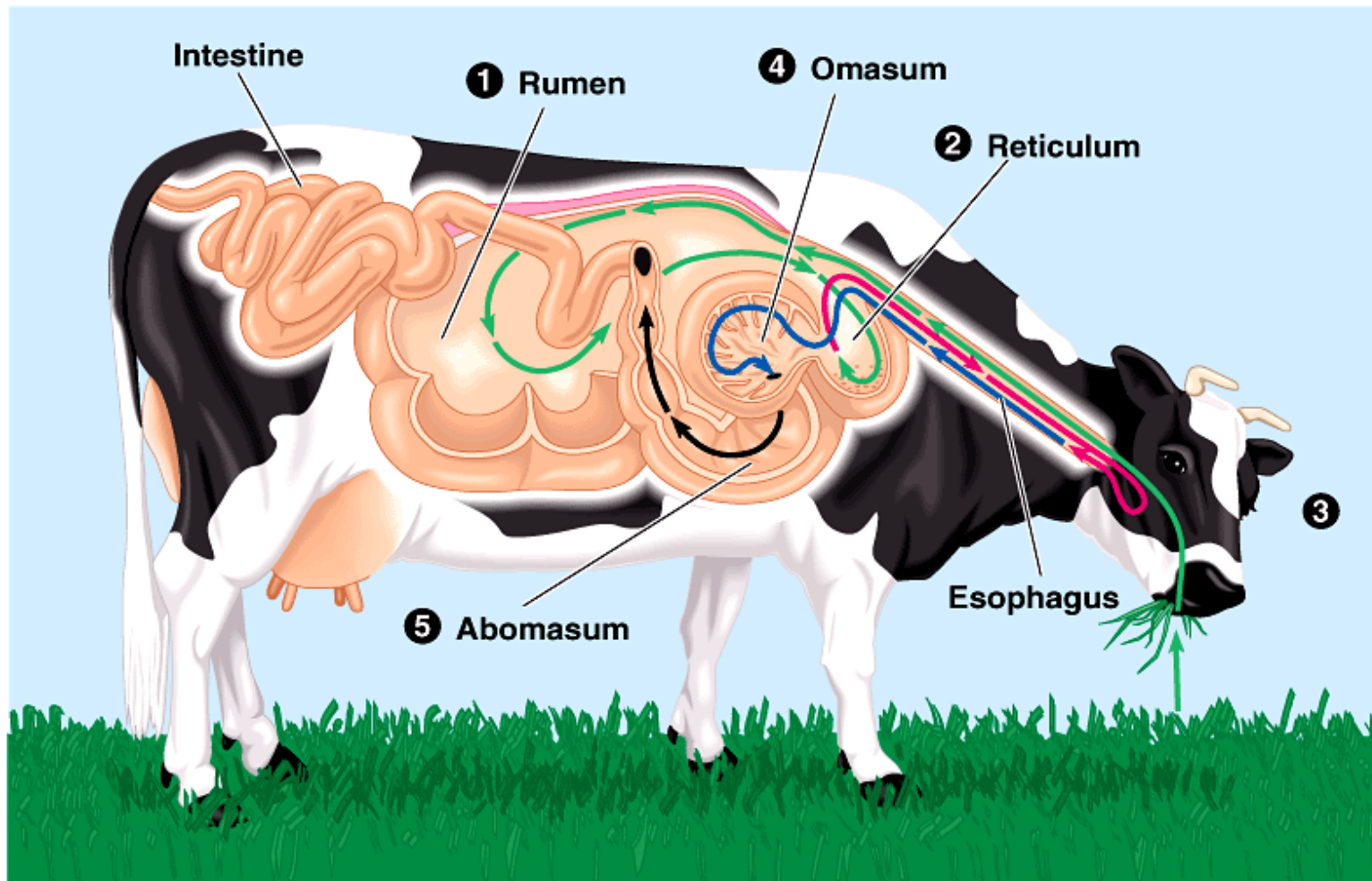
Mode of Nutrition	Energy Source	Carbon Source	Types of Organisms
<b>Autotroph</b>			
Photo-autotroph	Light	CO <sub>2</sub>	Photosynthetic prokaryotes, including cyanobacteria; plants; certain protists (algae)
Chemo-autotroph	Inorganic chemicals	CO <sub>2</sub>	Certain prokaryotes (for example, <i>Sulfolobus</i> )
<b>Heterotroph</b>			
Photo-heterotroph	Light	Organic compounds	Certain prokaryotes
Chemo-heterotroph	Organic compounds	Organic compounds	Many prokaryotes and protists; fungi; animals; some parasitic plants

# Pre AP Biology

Bacterial Kingdom (8.3)

Part 2

# Methanogens



# Halophiles in Salt farms





# Thermophiles in a Hot Spring



# Bioremediation tanks of sewage water at a water treatment plant.

