



Chapter 16

Prokaryotes	Archaea
Bacteria	Halophile
Peptidoglycan	Methanogen
Capsule, flagella, fimbriae	Thermophile
Endospores	Microbiome
Transduction, Transformation & Conjugation	Endosymbiosis
Archaea	Algae, Seaweed
Binary fission	Phytoplankton
Mode of Nutrition	Dinoflagellates & Diatoms
<ul style="list-style-type: none">• Photoautotroph• Chemoautotroph• Photoheterotroph• Chemoheterotroph	Protozoans
Cyanobacteria	Slime Molds
Decomposer	Amoeba
Pathogen	Flagella, Cilia & Pseudopodia



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Chapter 16 Study Questions

1. Compare and contrast Archaea and Bacteria. Include cell structure, nutrition and ecological roles (where they occur and what they do there).
2. Explain the endosymbiotic theory and how it relates to prokaryotes and eukaryotes today. Explain how it happened and the evidence that supports the theory.
3. Compare and contrast phytoplankton, seaweeds and protozoans. Use examples and include structure, nutrition and ecological roles (where they occur and what they do there).

