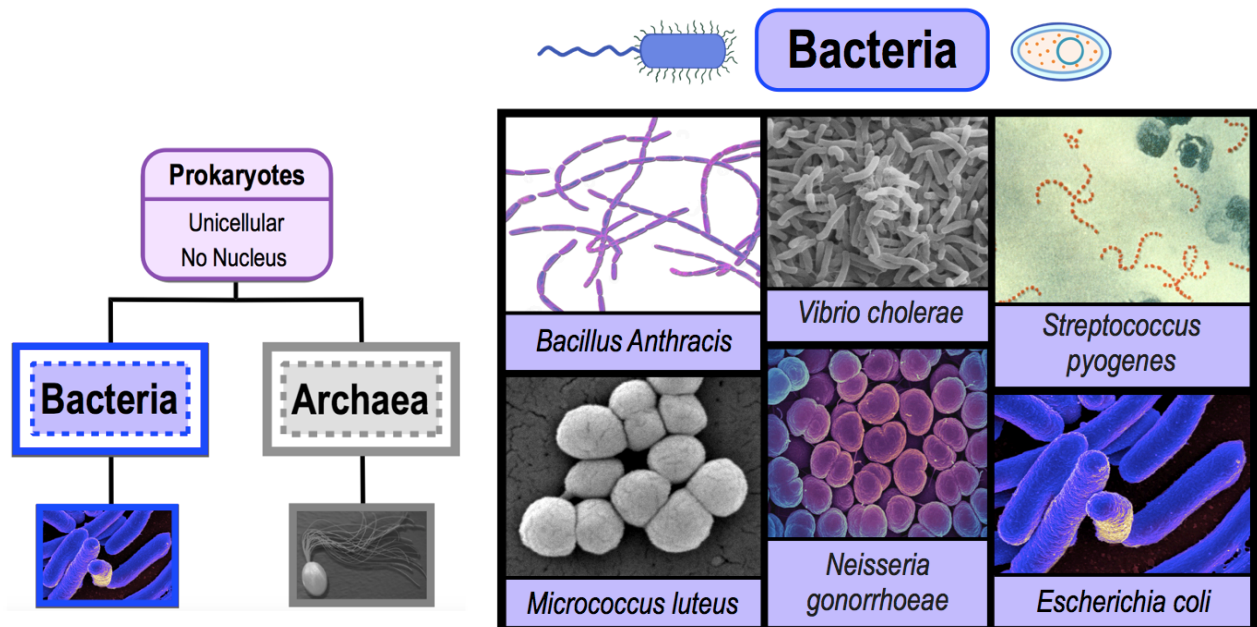


## CONCEPT: INTRODUCTION TO BACTERIA

- \_\_\_\_\_ (singular: *bacterium*): organisms in one of the three domains of life.
  - Consist of *unicellular, prokaryotic* organisms (no nucleus) that vary in shape & range in length from 0.5 to 10  $\mu\text{m}$ .
  - One of the most primitive groups of organisms (believed to be the \_\_\_\_\_ domain of life to exist).
  - Bacteria are major inhabitants of human bodies, forming the *human* \_\_\_\_\_.
- Bacteria divide/multiply by \_\_\_\_\_ *fission* & most have *cell* \_\_\_\_\_ made of *peptidoglycan*.
  - Though many bacteria have been studied, most remain largely uncharacterized.

**EXAMPLE:** Introduction to Bacteria.



**PRACTICE:** Which of the following is *not* a characteristic of bacteria?

- Prokaryotic.
- Unicellular.
- All have the same shape.
- Divide via binary fission.
- Some have the ability to move.

**PRACTICE:** Which of the following groups is the most diverse and abundant group of organisms on Earth?

- Archaea.
- Bacteria.
- Eukarya.
- Viruses.