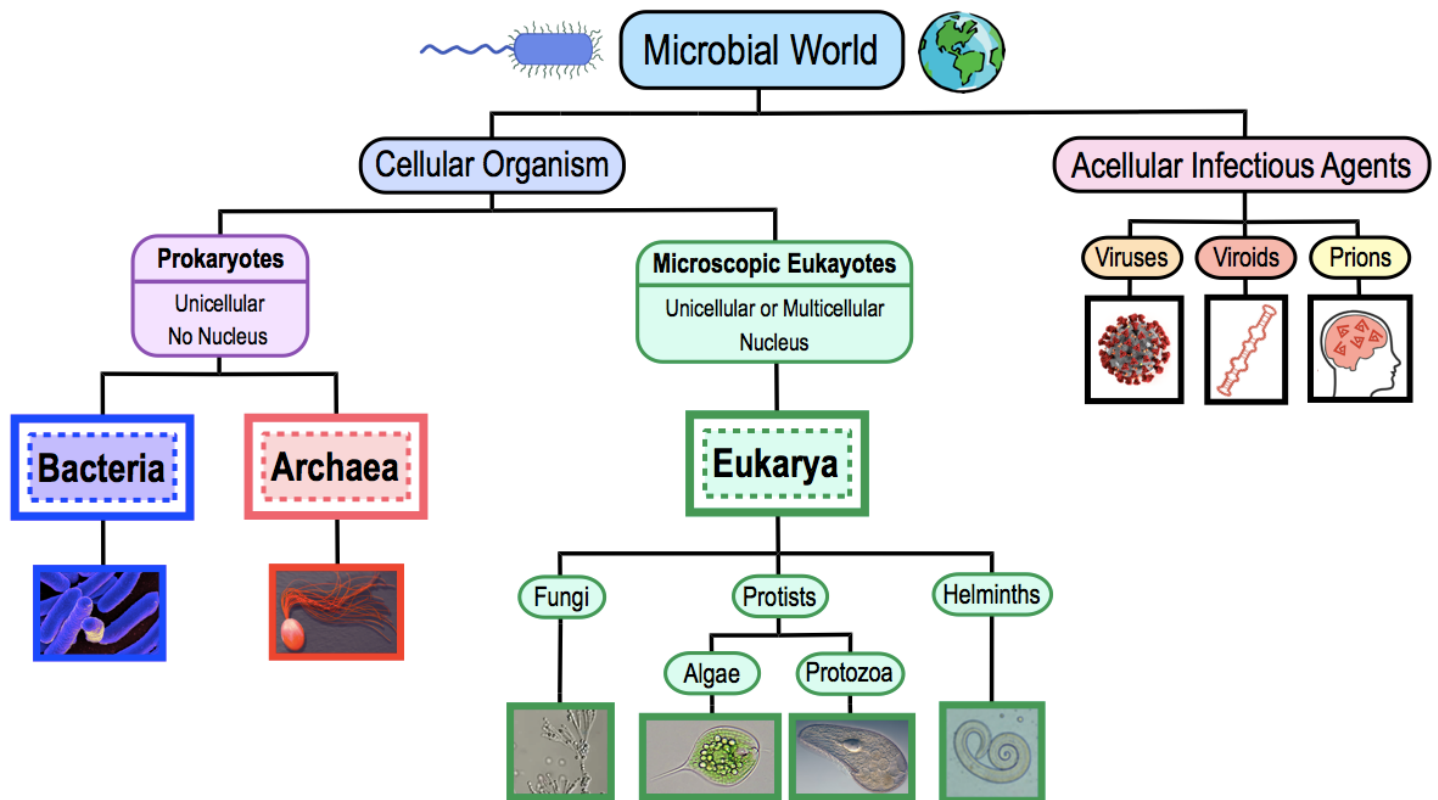


CONCEPT: MEMBERS OF THE MICROBIAL WORLD

- There is a massive _____ of microbes in the “Microbial World” since they have been around for *billions* of years!
 - Microbes can be *living organisms made of cells* **OR** _____-living, **acellular** infectious agents (not made of cells).
 - Living organisms are either _____ karyotic (ex. bacteria or archaea) or _____ karyotic (ex. fungi).

EXAMPLE: Map of the Microbial World.



- Bacteria & archaea are as different from each other as they are from eukaryotes.

PRACTICE: Which of the following groups is composed of prokaryotic organisms?

- a) Eukarya b) Archaea c) Fungi d) Prions

PRACTICE: Which of the following groups is composed of eukaryotic organisms?

- a) Protozoa b) Bacteria c) Archaea d) Viroids

PRACTICE: Which of the following groups is considered acellular?

- a) Algae b) Helminths c) Bacteria d) Viruses