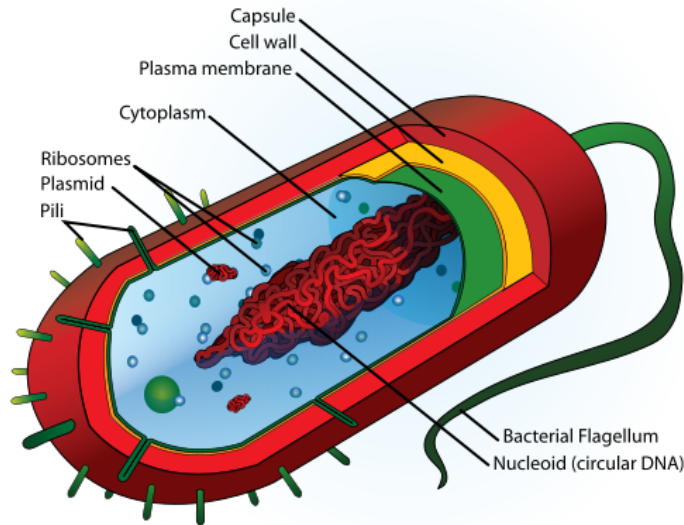


Kingdom Prokaryotae (single-celled bacteria)

- One of the most abundant living organisms on the planet. Can be found in MOST ecosystems, including:



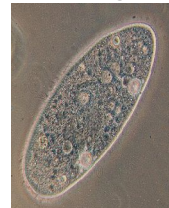
Deep sea
Arctic
Near volcanoes
Soil
Water
In and on other species!

Kingdom Protista (algae, slime molds)

- Many fresh and marine bodies of water have algae present.

Helpful Relationships to species

- Many animal-like protists make up and plant-like protists make up both of which make up the base of many food chains
- Many corals get their color from algae that exist mutually with the coral.
- 60% of the photosynthesis in the world is done by phytoplankton
- Help recycle sewage and other waste materials



zooplankton
phytoplankton,

Harmful Relationships to species

- Diseases: malaria and African sleeping sickness
- In large amounts algae is harmful to fish? Why?
Ex. Red tide: algal blooms (produce toxin)

Kingdom Fungi (mushrooms, molds, yeast)



- The primary role of fungi is that of decomposer
- Fungi are found mostly in warm, moist areas, but as a whole, fungi can be found most anywhere, but the spores may be dormant.
- Some have symbiotic relationships : such as lichens
- Yeasts : bread and alcohol,
- Some used as food, however not all are edible or even safe!
- Disease : potato blight, "rust," Dutch elm," mildew, thrush, others