









Eucarya

Who are the Microbes?

Protists (Algae, Fungi, Protozoa)

100-300 micrometers (µm)

Bacteria

Typical eukaryotic cell (300 micrometers)

- Diverse metabolism
 - 1-5 micrometers (µm)
 - A micrometer is 1/1000 of a millimeter
 - 1000 micrometers would span the head of a pin

Archaea

Life's extremists

1-5 micrometers (µm)

- Viruses
 - Abundant
 - 0.07 micrometers
 - Or 70 nanometers
 - 1 nanometer is 1/1000 of micrometer

On the head of a pin: ~200 bacteria and archaea ~2,000,000 virus particles











