

The Life and Death of Bacteria

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Funding and support received from...

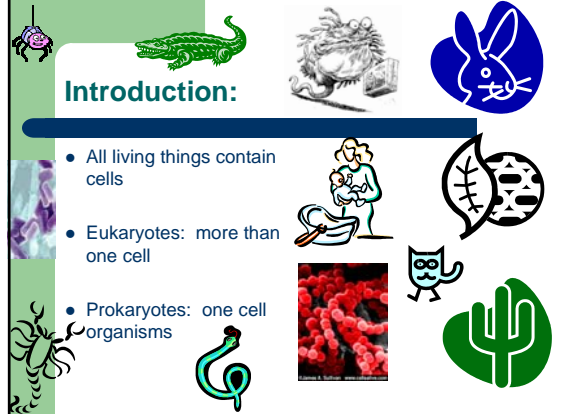


Today's Agenda:

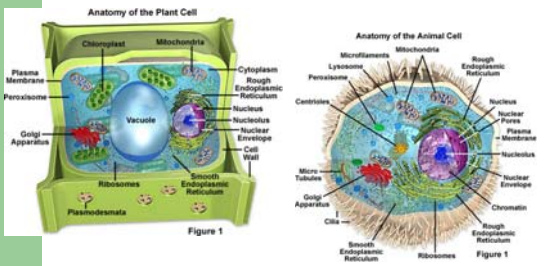
- 1) Introduction
- 2) Safety
- 3) The Life and Death of Bacteria
- 4) Basic Practice Techniques
- 5) Surveying Different Kinds of Media
- 6) Closing

Introduction:

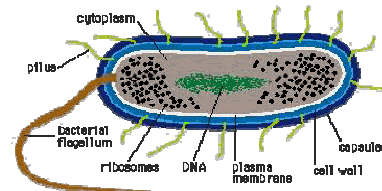
- All living things contain cells
- Eukaryotes: more than one cell
- Prokaryotes: one cell organisms



The Boring (Yawn!!) Eukaryotic Plant and Animal Cells...



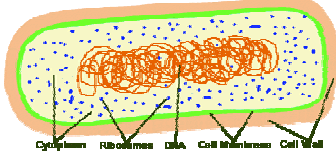
The Exciting Bacterial Cell...



What are Bacteria?

- Bacteria are prokaryotes, meaning they are only **ONE** celled organisms. They are very small and can be harmful or beneficial.

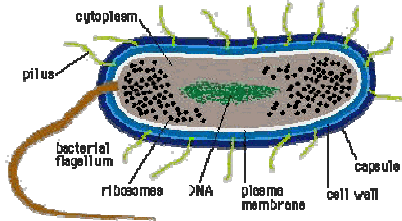
A Typical Prokaryote Cell



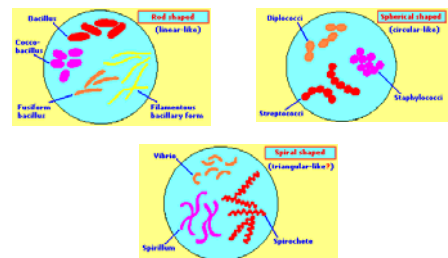
Follow along...

- You have a picture of a bacterial cell at your desk.
- Follow along with the following diagram, making sure you understand what each structure is and how it works.

Bacterial Cell Components...



Bacteria come in many different shapes...take a quick look...



How big are bacteria?

- How many bacteria will fit on the head of a pencil, like the one you use every day??



1 MILLION bacteria could fit onto the tip of that one pencil!!