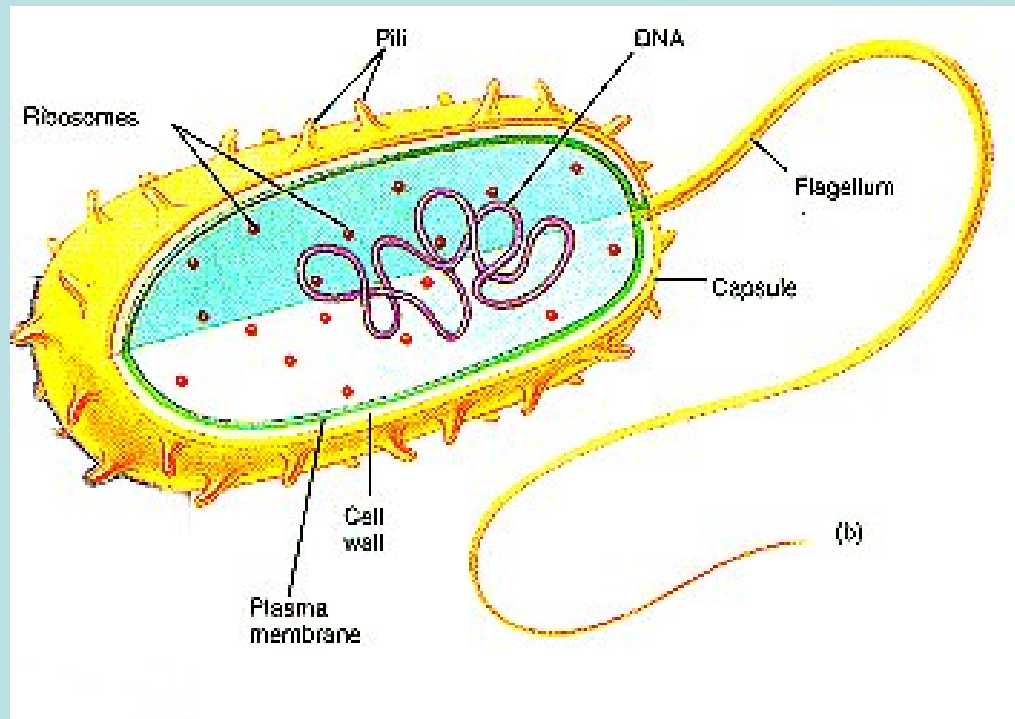


Cell Types

Prokaryotic Cell



- ❖ Unicellular (1 cell)
- ❖ DNA is **FREE** floating
- ❖ Ribosomes are also floating
- ❖ NO membrane bound organelles
 - ▶ no cell membrane to "trap"
- ❖ **Single** reaction takes place in the cytoplasm
- ❖ Example: bacteria, earth worms
 - ▶ Binary Fission
 - ↓
 - 2
 - ↓
 - "to split"

Eukaryotic Cell

- ❖ Mostly **Multicellular** (2 or more)
- ❖ Few Unicellular (1 cell)
- ❖ DNA is bound in nucleus
- ❖ **HAS** membrane bound organelles
 - ▶ cell membrane can “trap”
- ❖ **Multiple reactions** take place in the cytoplasm
- ❖ Example: humans, complex organisms
 - ▶ cell division: meiosis/mitosis

