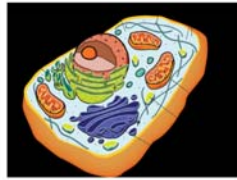
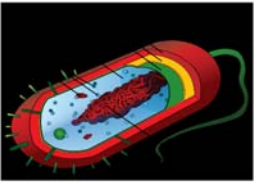


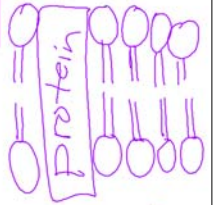
2 Types of Cells: 🌐

1. Prokaryotes
2. Eukaryotes



ALL CELLS HAVE:

1. Plasma Membrane 🌐



Phospholipid Bilayer w/proteins

Keeps cell protected

Controls what goes in & out of cell

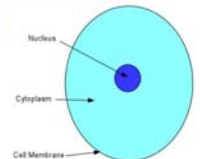
2. Genetic Material (DNA)

Prokaryotes: No nucleus around DNA

Eukaryote: DNA in Nucleus

3. Cytoplasm w/Ribosomes

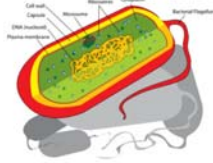
Cytoplasm: "Cell Jelly" Fluid inside plasma membrane; outside DNA region



Ribosomes: Make Proteins

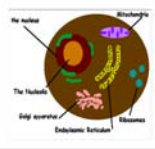
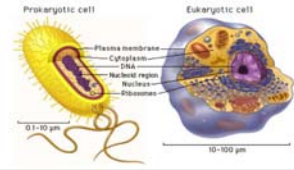
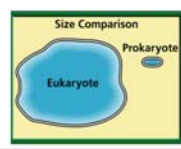
Pro vs. Euk Things in Common

- Both have cell membrane or walls
- Both have DNA
- Both have cytoplasm
- Both have ribosomes



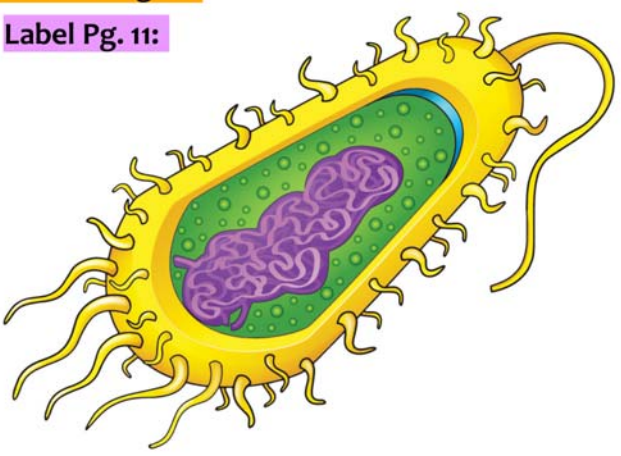
Prokaryote vs. Eukaryote

Simple	Complex
NO Nucleus (DNA is free floating)	Nucleus (DNA in nucleus)
No organelles ("tiny organs" with specialized function)	Has organelles
BACTERIA cells	PLANT & ANIMAL cells

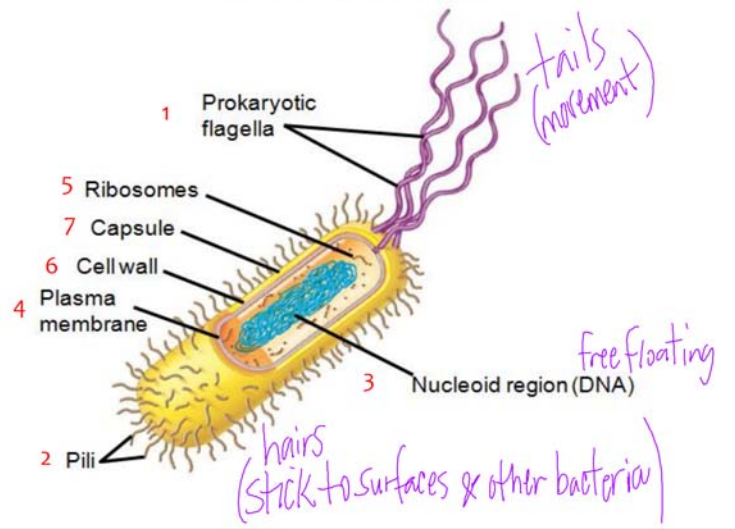


ID & Color Pg. 10

Label Pg. 11:



PROKARYOTES



Bacteria Cells

- Flagella - used for movement
- Pili - small hair like structures
 - Attach to other cells
- Capsule - tough outer layer that protects bacteria
 - Harmful!!

