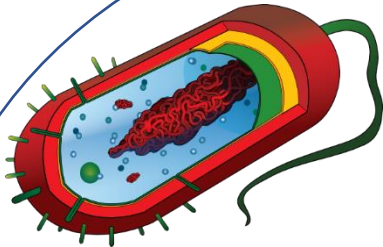


# Prokaryotic and Eukaryotic Worksheet

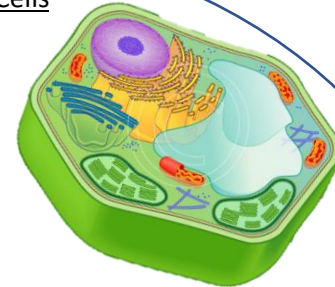
Directions: Write in the similarities and differences between prokaryotic and eukaryotic cells.

- Smaller (1-5  $\mu\text{m}$ )
- No membrane bound organelles
- Reproduces by binary fission
- Undergoes Mitosis/Meiosis to make new cells
- Ribosomes present
- Has cytoplasm
- Has plasma membrane
- Evolutionarily older type of cell
- Multicellular
- Has linear DNA in a nucleus
- Membrane-bound organelles
- Larger (10-100  $\mu\text{m}$ )
- Bacterial cells
- Plant cells
- Animal cells
- Has DNA
- Has a nucleoid (condensed circular DNA)
- Can have a cell wall
- Unicellular

Prokaryotic Cells



Eukaryotic Cells



**KEY**

Directions: Write in the similarities and differences between prokaryotic and eukaryotic cells.

- Smaller (1-5 um)
- No membrane bound organelles
- Reproduces by binary fission
- Undergoes Mitosis/Meiosis to make new cells
- Ribosomes present
- Has cytoplasm
- Has plasma membrane
- Evolutionarily older type of cell

- Multicellular
- Has linear DNA in a nucleus
- Membrane-bound organelles
- Larger (10-100 um)
- Bacterial cells
- Plant cells
- Animal cells

- Has DNA
- Has a nucleoid (condensed circular DNA)
- Can have a cell wall
- Unicellular

