



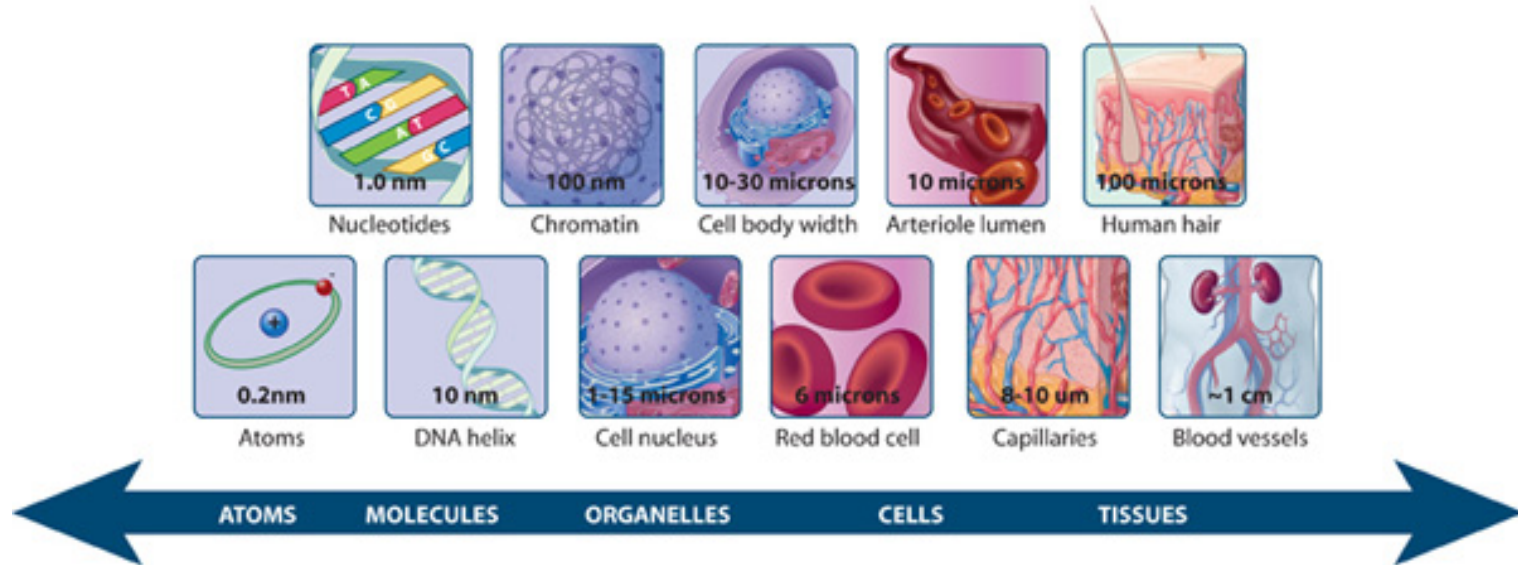
# CELL DIVERSITY: PART 1

## Learning Target:

Differentiate between prokaryotic and eukaryotic cells.

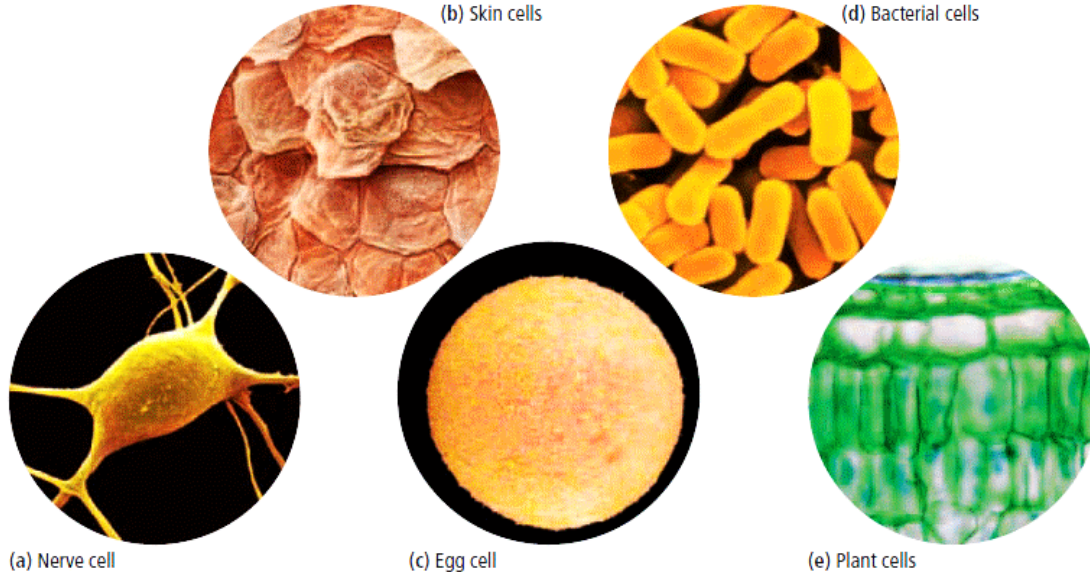
# What is a cell?

**Cell:** basic unit of living things.



# Can cells vary?

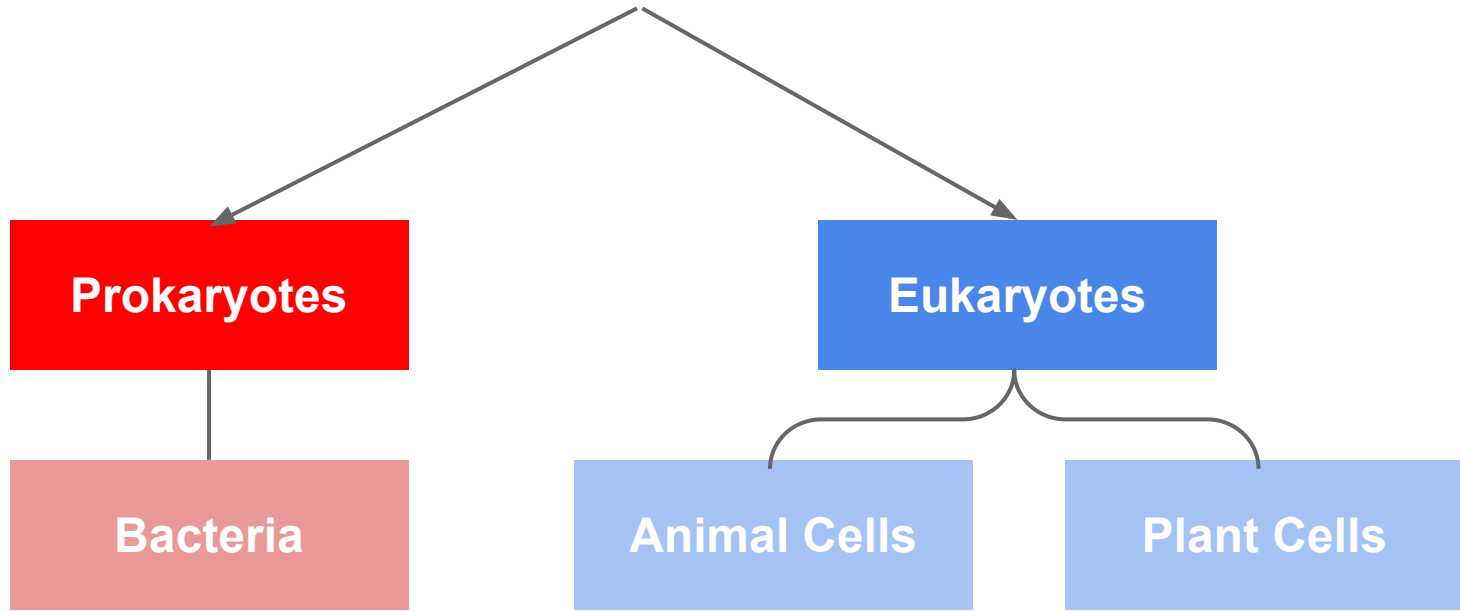
Cells come in a variety of **shapes** and **sizes**.



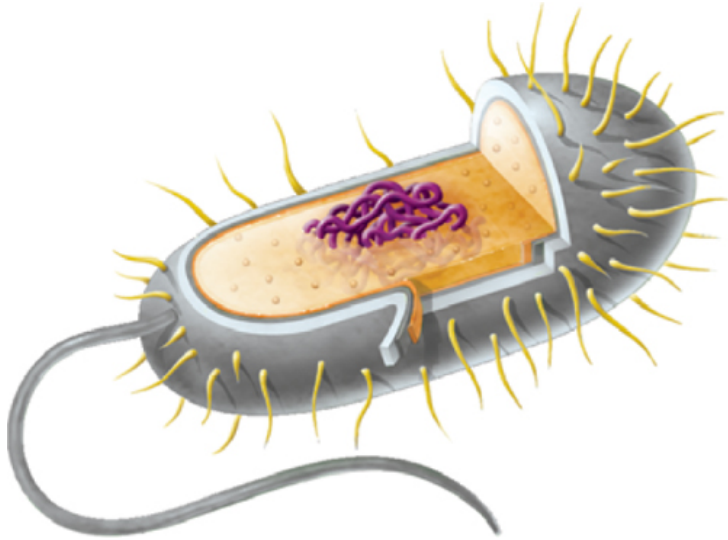
# What features do all cells have in common?

- Cell (plasma) membrane
- DNA
- Ribosomes

# What are the different types of cells?



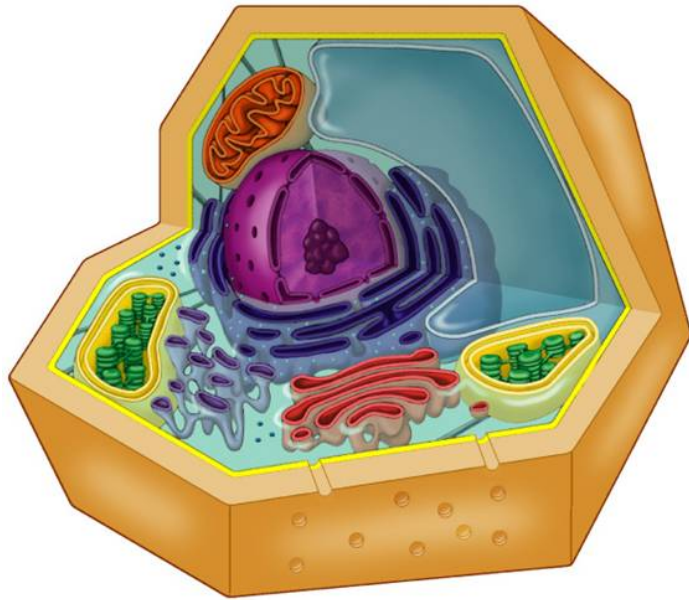
# What is a prokaryote?



**Prokaryote**: a simple cell *without* a nucleus.

- No organelles.
- Unicellular
- Simple
- Bacteria

# What is a eukaryote?



**Eukaryote**: a complex cell *with* a nucleus.

- Many organelles.
- Often multicellular.
- Complex
- Plant and animal cells.



**What do you think is the main difference between a prokaryote and eukaryote?**





**Label Cell A and Cell B as prokaryote or eukaryote.**

