

# Cell Structure and Function Unit 3



## I CAN -

- 1. List the levels of organization in an organism from atom to biosphere
- 2. Identify types of cells (prokaryote or eukaryote) when looking at an image or when given an example
- 3. Label prokaryotic and eukaryotic cell structures
- 4. Identify differences in plant, animal and bacterial cells
- 5. List cell structures, their functions and indicate where they are found
- 6. Properly use a microscope to view cells and their structures

**Test Date:**

Thursday, Oct. 10  
(9 week test)

Words to Know

Prokaryote (prokaryotic), Eukaryote (eukaryotic), Organelles, Membrane-bound, Phospholipid bilayer

## Calendar

Monday 9/23	Tuesday 9/24	Wednesday 9/25	Thursday 9/26	Friday 9/27
DNA Teacher's Pet Video & Review Sheet	Biomolecule, Enzyme & DNA review	Biomolecule, Enzyme & DNA Breakout Box	Biomolecule, Enzyme & DNA TEST	<b>Topic:</b> Biomolecules <b>Activities:</b> Test Analysis & Reflection
Monday 9/30	Tuesday 10/1	Wednesday 10/2	Thursday 10/3	Friday 10/4
<b>Topic:</b> Levels of Organization & Cell Types <b>Activities:</b> Notes, Image ID <b>By the end of the period I can:</b> 2, 3, 4, 5	<b>Topic:</b> Cell Types – Pro vs Eu and organelles <b>Activities:</b> Prokaryote vs Eukaryote Foldable and video <b>By the end of the period I can:</b> 2, 3, 4, 5	<b>Topic:</b> Cell Types <b>Activities:</b> Microscope Use Prokaryotic cells <b>By the end of the period I can:</b> 2, 3, 4, 5, 6	<b>Topic:</b> Cell Types <b>Activities:</b> Microscope Use Elodea, animal cell <b>By the end of the period I can:</b> 2, 3, 4, 5, 6	<b>Topic:</b> review <b>Activities:</b> 9 week test Review Game <b>By the end of the period I can:</b> all
Monday 10/7	Tuesday 10/8	Wednesday 10/9	Thursday 10/10	Friday 10/11
<b>Topic:</b> review <b>Activities:</b> 9 week test Review Game <b>By the end of the period I can:</b> all	<b>Unit 3: Cell Structure/Function</b> Review 9 week test	<b>Unit 3: Cell Structure/Function</b> Review 9 week test	<b>9 Week Exam</b>	9 week test analysis  <b>Unit 4: Cell Transport</b> Cell Transport

\*\*\*\* This is a tentative calendar and subject to change.

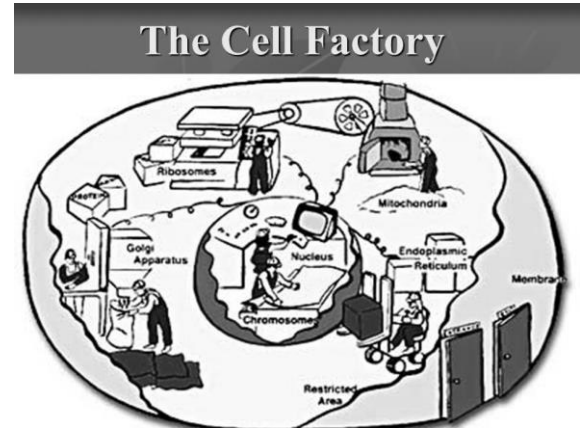
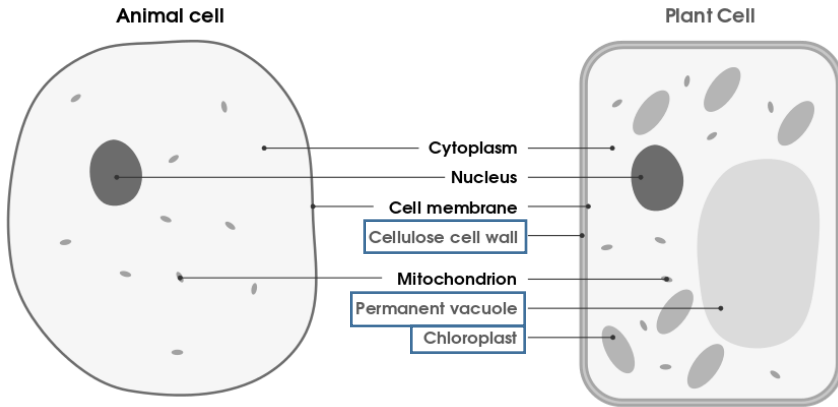
## Cell Structure and Function Plant Cell



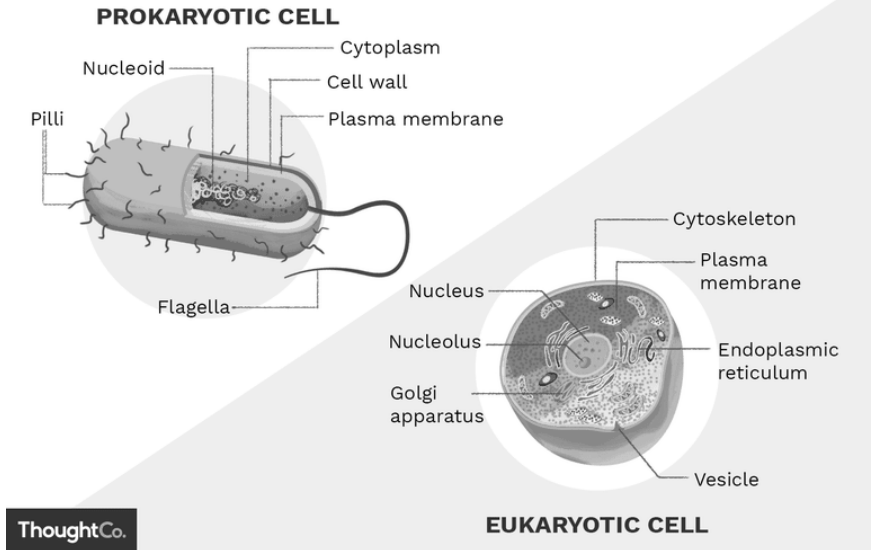
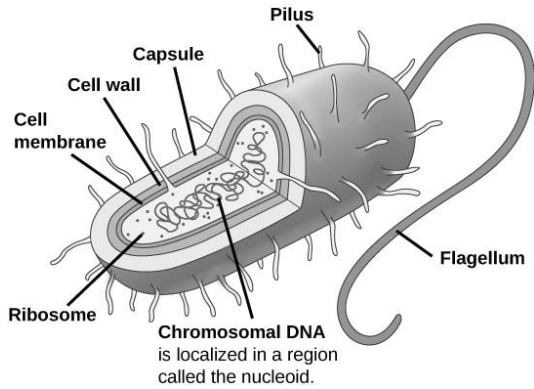
## Animal Cell



Eukaryotes =  
 Have a NUCLEUS!  
 MEMBRANE BOUND Organelles  
 Plant, Animal, Fungus, Protist

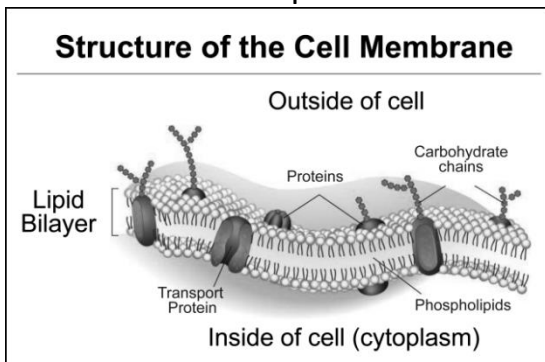


Prokaryotes =  
 NO NUCLEUS!  
 Only ribosomes  
 Bacteria



**Homeostasis –**

The cell membrane helps maintain homeostasis by regulating what enters and leaves the cell.



**Lysosomes** – keep cell clean  
**Golgi** – delivers proteins  
**Ribosomes** – build proteins

