

**Learning Objectives – “Students CAN...”**

1. Analyze new concept vocabulary – Vocabulary Enhancement (BW)
2. Biology Unit Introduction / Cell Models and Organelles Test – Using collected and classroom supplies build a model of a plant or animal cell with all the appropriate organelle/structures.

**Assessment**

In-class completion of the notebook/bell work

*build a model of a plant or animal cell with all the appropriate organelle/structures – Recycled materials ONLY*

**Homework**

1. Complete the week 29 vocabulary – In Class
2. Complete ½ of the structures and labels for your 3D cell model, remaining to be completed – 3/5
3. Study your organelles structures and functions list, you must be able to identify them by location or function – 3/6

**Reminders / DO NOT COPY**

Make-up work needs to be turned in no later than Friday, March 8 for the third quarter – Check Infinite Campus for your missing assignments.

Need make-up work, concept review, or just a quiet place to study Room 216 / Wednesday 4:00 – 5:00. (Weger - Science students ONLY)

**Bell work**

Using the vocabulary list provided at your seat: *Complete the five starred\* terms*

For each term on the list you may do one of the following:

- Copy
- Summarize
- Provide an example

**Incomplete or incorrect vocabulary will be scored accordingly.**

**No pictures – Text only**

*\*\*Vocabulary assignments must be complete prior to notebook assessments – please plan/prepare accordingly.*

**Linked Documents and Class Resource**

[Cell Model Project](#)

[Vocabulary 15-1](#) ↓

**District Content Descriptor:**

S1.A: Structure and Function - All living things are made up of cells, which is the smallest unit that can be said to be alive. An organism may consist of one single cell (unicellular) or many different numbers and types of cells (multicellular). (07-LS1-1)

- Systems may interact with other systems; they may have sub-systems and be a part of larger complex systems. (07-LS1-3)
- Complex and microscopic structures and systems can be visualized, modeled, and used to describe how their function depends on the relationships among its parts, therefore complex natural and designed structures/systems can be analyzed to determine how they function. (07-LS1-2)

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2018-19  
District Content Map*

**Learning Objectives – “Students CAN...”**

1. Current events in science – refine reading practices, comprehension and increase vocabulary (BW)
2. Cell Models and Organelles Test – Construction Day 2

**Assessment**

In-class completion of the notebook/bell work  
  
*build a model of a plant or animal cell with all the appropriate organelle/structures – Recycled materials ONLY*

**Homework**

1. Complete the Article Q-Review – In Class
2. Complete the 3D cell model, presentations begin – 3/6 (Students must study the organelles structure and function handout to prepare)
4. Notebook Assessment 3-4 (Reflective) – 3/6

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**Bell work**

Using good-practice reading techniques, read this week’s science article. When you finish reading, complete the article questions below.

1. Why are Tardigrades so unique?
2. What event would have to occur on Earth to kill off this “extremophile”?
3. What types of astronomical events are capable of killing off the Tardigrades? Provide two examples from the reading?
4. Why will all Tardigrades on Earth be extinct seven billion years from now?

**Linked Documents and Class Resource**

[Cell Model Project](#)

[Weekly Article: Tardigrades \(Water Bear\)](#)

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**Learning Objectives** – “Students CAN...”

1. Use critical thinking to solve a problem. (BW)
2. Notebook Assessment 3-4 (Self Reflection)

**Assessment**

In-class completion of the notebook/bell work

*Cell Models and Organelles Test – Presentations / Organelle Structure & Function Rubric Review*

**Homework**

1. Complete the week 29 challenge question (BW) – In Class
2. Complete the 3D cell model, presentations begin – 3/6 (Students must study the organelles structure and function **handout to prepare**)
3. Cell structure and functions test Friday, March 8

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**Bell work**

Complete today’s challenge question in the notebook. When you finish, **record your answer on a small piece of paper and place it in the solutions chest at the front of the room.**

**Identify the unique organelles found **ONLY** in the plant cell.**

Complete a list for both in the notebook, **ONLY** report for plant cell to the solutions bin.

**Linked Documents and Class Resource**

[Cell Model Project](#)

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**Learning Objectives – “Students CAN...”**

1. Analyze and respond to this week’s YouTube (Q-Review) BW
2. Cell Models and Organelles Test – Presentations / Organelle Structure & Function Rubric Review

**Assessment**

In-class completion of the notebook/bell work  
*Cell Models and Organelles Test – Presentations / Organelle Structure & Function Rubric Review*

**Homework**

1. Complete the video Q-Review (BW) – In Class
2. 3D cell model presentations – In Class
3. Cell structures and function ASSESSMENT – **NO notes, NO partners** (Be sure and study throughout the week to prepare)

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**Bell work**

YouTube Science – Watch the video and respond to the questions below.

Today’s video uses VR technology allowing us to look around as we explore the different organelles of the cell.

1. How many cells are found in the human body?
2. What are the small particles floating around the cytoplasm of a cell?
3. Identify the large oval organelles / What is their function in the cell?
4. What is the ribosomes job inside the cell?
5. How do the ER (endoplasmic reticulum) and the golgi apparatus assist proteins in the cell?
6. What is RNA? And how is it like DNA?

**Linked Documents and Class Resource**

[Cell Model Project](#)

[Weekly Video: Cell Explore](#)

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**Learning Objectives – “Students CAN...”**

1. Sharing Ideas – Write a paragraph in your science journal using the BW writing prompt.
2. Cell structures and function ASSESSMENT – **NO notes, NO partners** (Be sure and study throughout the week to prepare)

**Assessment**

In-class completion of the notebook/bell work  
  
Cell structures and function ASSESSMENT – Identify the parts of the cell

**Homework**

1. Complete the science journal entry (BW) – In Class
2. Make-up work is due today, it will not be accepted next week.

**Bell work**

Science Journal: Week 29

Complete a paragraph containing no less than five additional sentences that continue the lead below.

**Every cell is filled with tiny microscopic living parts...**

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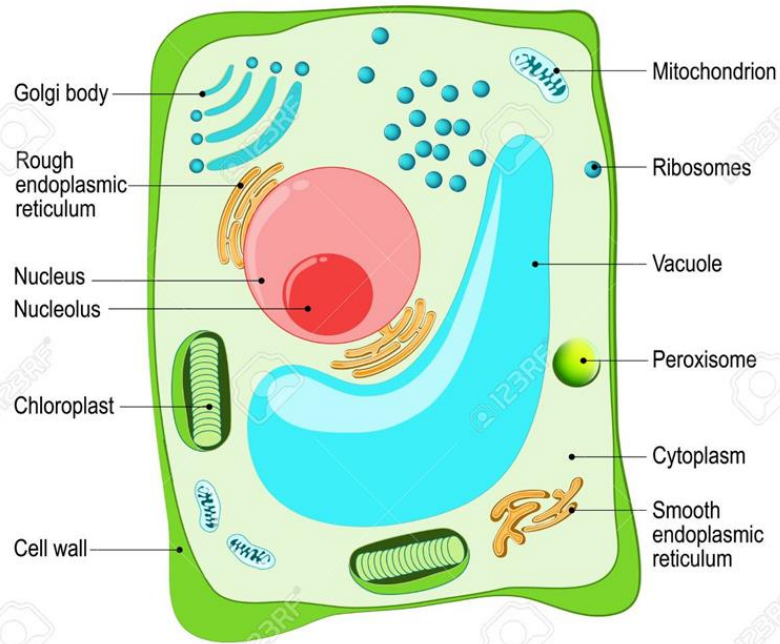
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## Cell Structure & Function Handout

### Vocabulary / Study Guide

Name	P <sup>l</sup>	A <sup>n</sup>	What does it look like?	What does it do?
Cell Membrane				
Cell Wall				
Centriole / Centrosome				
Chloroplasts				
Cytoplasm				
Cytoskeleton / Microtubules				
Endoplasmic Reticulum (R)				
Endoplasmic Reticulum (S)				

<b>Golgi Apparatus</b>				
<b>Lysosomes</b>				
<b>Mitochondrion</b>				
<b>Nuclear Membrane</b>				
<b>Nucleolus</b>				
<b>Nucleus</b>				
<b>Ribosomes</b>				
<b>Vacuole / Larger in Plants</b>				
<b>Vesicles</b>				



← **Plant Cell**

Identify the plant cells unique organelles and explain why they are needed?

How do the organelles

**Animal Cell →**

