## <u>Unit Overview – Plant & Animal Cells</u>

<b>Essential Questions</b>			I totally get it
• What are the similarities and	differences in plant and anima	Leolles	🔀 I kinda get it
What are the similarities and differences in plant and animal cells?  What are the foodbase of the appearable for additional action to the size of the size o			
<ul> <li>What are the functions of the organelles found in plant and animal cells?</li> </ul>			☐I don't get it
What Came First:			,
• (5 <sup>th</sup> Grade) Explain why some organisms are capable of surviving as a single cell while others require many cells that are specialized to			
survive.			
What Comes Next:			
<ul> <li>(High School: Biology) Summa</li> </ul>	rize the structure and function	n of organelles in eukaryotic cells (i	ncluding: the nucleus, plasma membrane,
			interact with each other and to perform the
function of the cell.	• •	, ,	·
Enduring understanding	Importar	nt to know and do	Worth being familiar with
☐ All living things are composed of co	ells	of an animal cell	☐ Parts of a microscope
☐ Plant and animal cells have cell	☐ Label the structures	of a plant cell	☐ Correct technique for using a
membranes, nulcei (plural for	☐ Compare/contrast p	plant and animal cells	microscope
nucleus), mitochondria, ribosomes	, Identify the jobs of	each organelle	☐ Origin of the word "cell"
endoplasmic reticulum, golgi body	, Use a microscope to	examine the structure of a cell	☐ Specialized organelles—ribosomes,
and vacuoles	-	examples of specialized cells	protein, lipids, lysosomes,
☐ Plant cells have cell walls and		·	chromosomes/chromatin
chloroplasts			,
Each organelle has a job that helps	;		
the cell function			
Vocabulary to master			
☐ Cell*	☐ Endoplasmic Reticulum	☐ Nucleus	☐ Osmosis
☐ Organelles	☐ Golgi Body	☐ Nuclear Membrane	☐ Diffusion
☐ Cell Wall*	☐ Mitochondria	☐ Nucleolus	☐ Selective permeability
☐ Cytoplasm	☐ Chloroplast*	☐ Ribosome	*Different in plant vs. animal
☐ Vacuoles*	☐ Lysosome	☐ Chromosome	
☐ Cell Membrane	□ Protein	☐ Chromatin	