

Name _____ Period (s) _____ Date _____

Cell Structure and Function

Biological Sciences

The Cellular Organelles

Organelle	Location & Structure	"Nick Name"	Function	Plant /Animal or Both
	Strong, stiff, non-living layer outside the cell membrane. It is made of cellulose			
Cell Membrane				
	Region between the nucleus and the cell membrane; jellylike substance that houses the organelles			
Nucleus				
		"The Assistant Director" houses the RNA; keeps the RNA separate from the DNA. Responsible of the production of Ribosomes		
	One of a set of structures found in the nucleus; made of DNA plus some proteins called histones			

Rough Endoplasmic Reticulum			
Smooth Endoplasmic Reticulum			
	Small, grain like bodies made of RNA; may be attached to the endoplasmic reticulum or can float freely in the cytoplasm.		
		"The Power House" of the Cell	
Vacuole			
	Membrane sacs located in the cytoplasm that contain digestive enzymes		
		"The Solar Panel" of the Cell: Captures sunlight energy and uses it to produce sugar	
Centrioles			

