

Organelles

Organelles are small structures that perform specific functions for the cell. Read about each organelle to learn more about them, fill in the blanks and copy the images.

NAME: _____

BELL : _____

Organelles Present in ALL Cells			
Cell Membrane		Ribosomes	
Allows "MEMBERS" Only		I make "SOME" nice proteins	
Maintains _____ by controlling what materials enter and leave the cell. Thin and flexible outer boundary found in _____		Tiny _____ organelles that make proteins. Found in the cytoplasm and on _____ ER No Membrane!	
Cytoplasm		DNA (Chromosomes)	
The "Jello" of the Cell		"SOME" Genetic Information	
The _____ fluid inside the cell that circulates _____ organelles and materials around the cell.		DNA is the _____ material of the cell. It is the recipe for making _____. DNA Chromosomes	
Organelles Present in ALL Eukaryotic Cells			
Nucleus		Mitochondria	
I'm the Bossy _____ Center		The Mighty _____ of the cell.	
A large oval structure that acts as the control center by _____ the cell's activities. Contains and _____ DNA.		Converts food (sugar) into "ATP" _____ that the cell can utilize. Performs: Cellular Respiration - AKA _____	

Organelles Present in ALL Eukaryotic Cells

Endoplasmic Reticulum - Rough		Endoplasmic Reticulum - Smooth	
A _____ of membranes that produces substances and _____ them out into the cell.			
I am a Transport"ER" - "Highway of intertubes"			
ROUGH - _____ attached here making proteins and checking them for quality control.	SMOOTH- Located _____ from the nucleus, Lipids (fats) & Hormones, are created here.		
Golgi Body		Vesicles/Vacuoles	
The "GOL"D Shipping Company (like UPS)		Vehicles of the Cell	
A strange "stack of pancakes" that _____, packages, and sorts materials for shipment. Found unattached and _____ the nucleus.		Small membrane packages that _____ materials around the cell and can _____ into any membrane bound organelle. Like a Truck!	

Organelles Present in Animal Cells ONLY

Lysosomes		Cilia and Flagella	
"Lysol" the CLEANER and RECYCLER		Movement Makers	
A "sac" filled with _____ (digestive juices). Breaks down OLD cell parts, invaders and food. Reusable materials are "_____" and reused		Cilia - Several _____ extensions Flagella - Single Whip-like _____ Used for _____ and other purposes.	

Organelles Present in PLANT CELLS only			
Cell Wall		Large Central Vacuole	
A Wall of Support		Like a Water Balloon	
A strong outer layer that gives _____, strength and support to _____ cells. **Also found in PROKARYOTIC cells.		Large storage unit used to store food, _____, and nutrients for the cell. Also used in plant cells for additional _____.	
Chloroplast			
Make me something "SWEET" to EAT!		How It's DONE / IMAGE	
Green structures that collect _____ from the sun and make food (_____) for the plant. Performs _____			