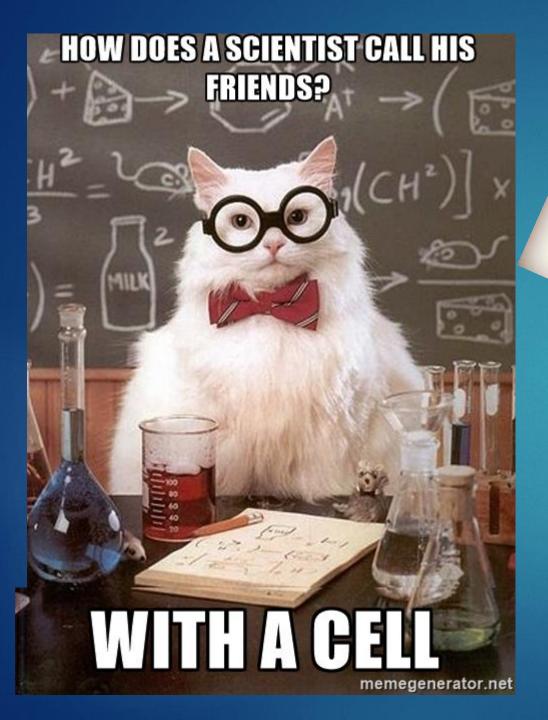
BW #3

Get out your cell organelle paper and prepare to take a few notes!

₽ No. o.		
Use this chart to help y	Organou	
Use this chart to help y Cell Part	Organelles of the Cell	
	Function	
Plasma Membrane (Cell Memb	anction	
(Cell Membrane)	Pi	icture
Crt.		Way to Remember
Cytoplasm		(comparison)
Ribosomes		
Endoplasmic Retired		
Reticulum		
Golgi A		
Golgi Apparatus		
Mitochondria		
Lysosomes		
, sosomes		
7:		
Vacuole		
Chromatin/		
Onromosom.		
Nucleus		
Nucleolus		
acieolus		
Centrioles		
(animal cell only)		
Flagella/Cilia		
Cell Vi		
(plant cell only)		
A THE PARTY OF THE		

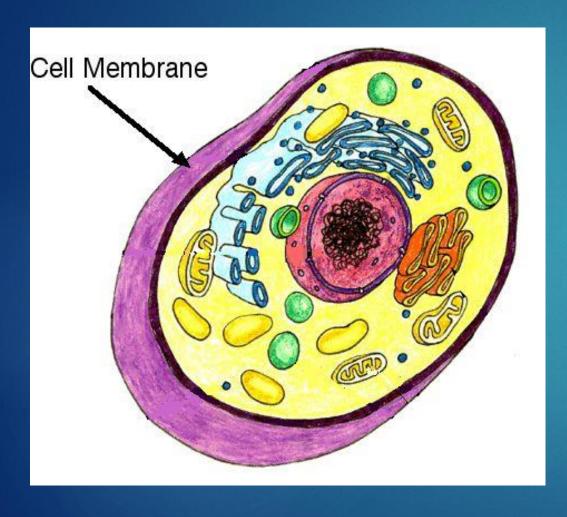




Cell Organelles

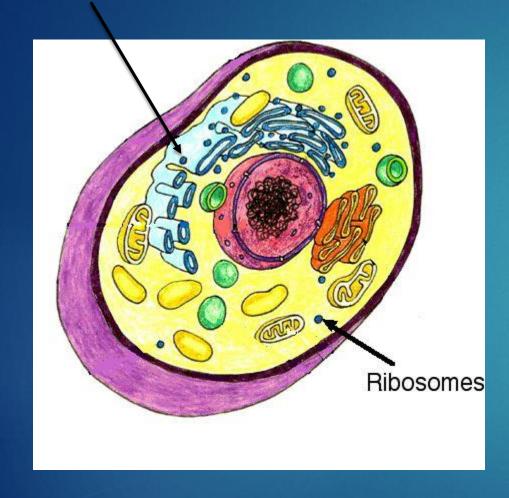
WHAT THEY ARE, WHERE THEY'RE FOUND AND WHAT THEY DO...

Cell Membrane:



- The cell membrane helps move things into and out of the cell: things such as ions, hormones, water, food and waste products.
- Like a:
 - **Door**
 - Gate
 - ▶ Window

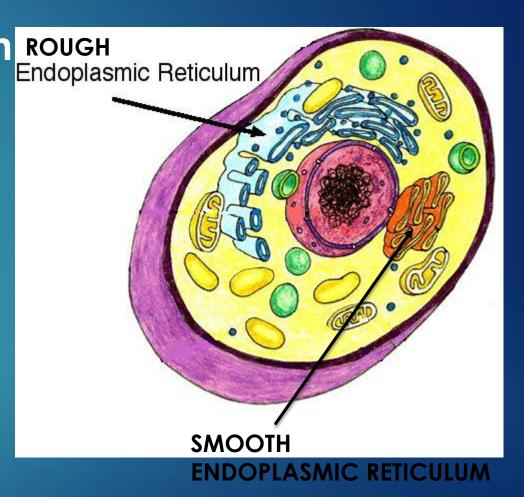
Ribosomes:



- These tiny structures are found floating throughout the cytoplasm or embedded on the endoplasmic reticulum (which is why it gets called the "rough endoplasmic reticulum"
- They produce proteins based on the instructions in our DNA/RNA
- Like a
 - **Factory**

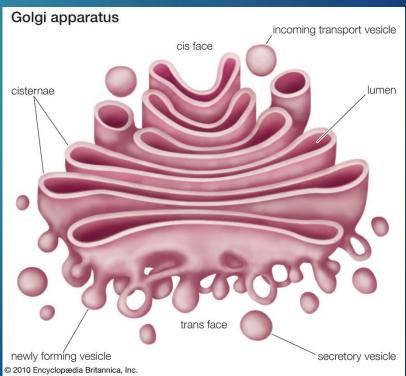
Endoplasmic Reticulum:

- ▶ There are two types:
 - 1. Smooth endoplasmic reticulum (Smooth ER) makes and transports lipids. Many chemical reactions take place on the smooth ER
 - 2. Rough endoplasmic reticulum (Rough ER) gets its name because it has ribosomes on its surface. Proteins are produced and transported here
- Like
 - A road



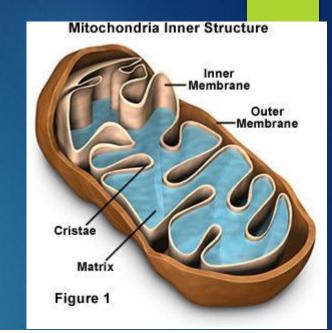
Golgi Apparatus:

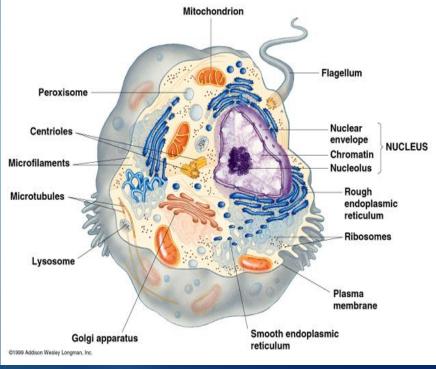
- This large organelle looks like a series of flattened pancakes.
- It has a lot of jobs because it receives, sorts, packages and transports all of the larger molecules in the cell.
- Like
 - A post office
 - ▶Fed Ex, UPS



Mitochondria:

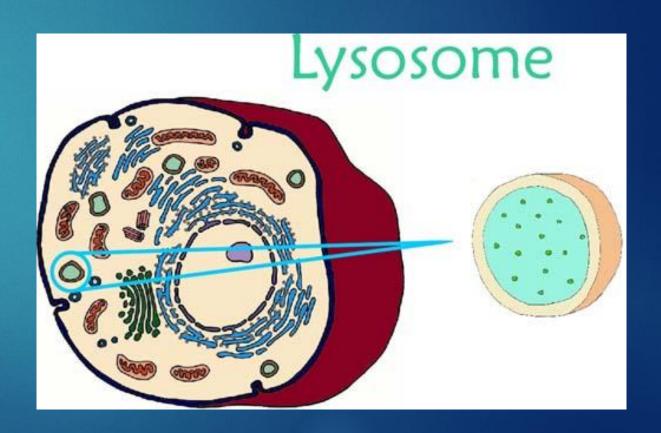
- These organelles are easy to spot (often compared to orange slices) and have a huge job in the cell: they make all the energy (ATP) that an organism needs to survive.
- This is the site of cellular respiration (where our sugars, proteins and fats are broken down into energy)
- Like
 - A powerplant, a Solar panel
 - ►Wind mill



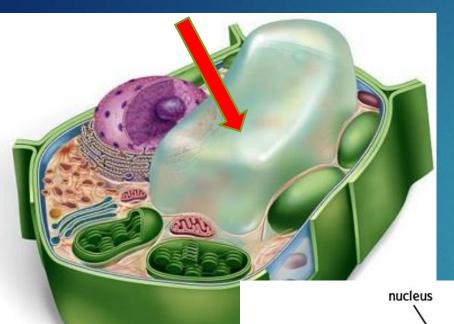


Lysosomes:

- Digest unwanted materials in the cell
- Like
 - Recycle Factory
 - Garbage Man
 - **Dump**



Vacuole:



mitochondria

cell membrane

- Stores nutrients, water and wastes.
- be rather large while in animal cells, they are relatively small.
 - ▶Like a

cutoplasm

vacuoles

- Suitcase
- Storage shed

Nucleus:

- Controls the functions of the cell, contains DNA
- Like
 - A Mayor controls a city
 - The brain controls the body

