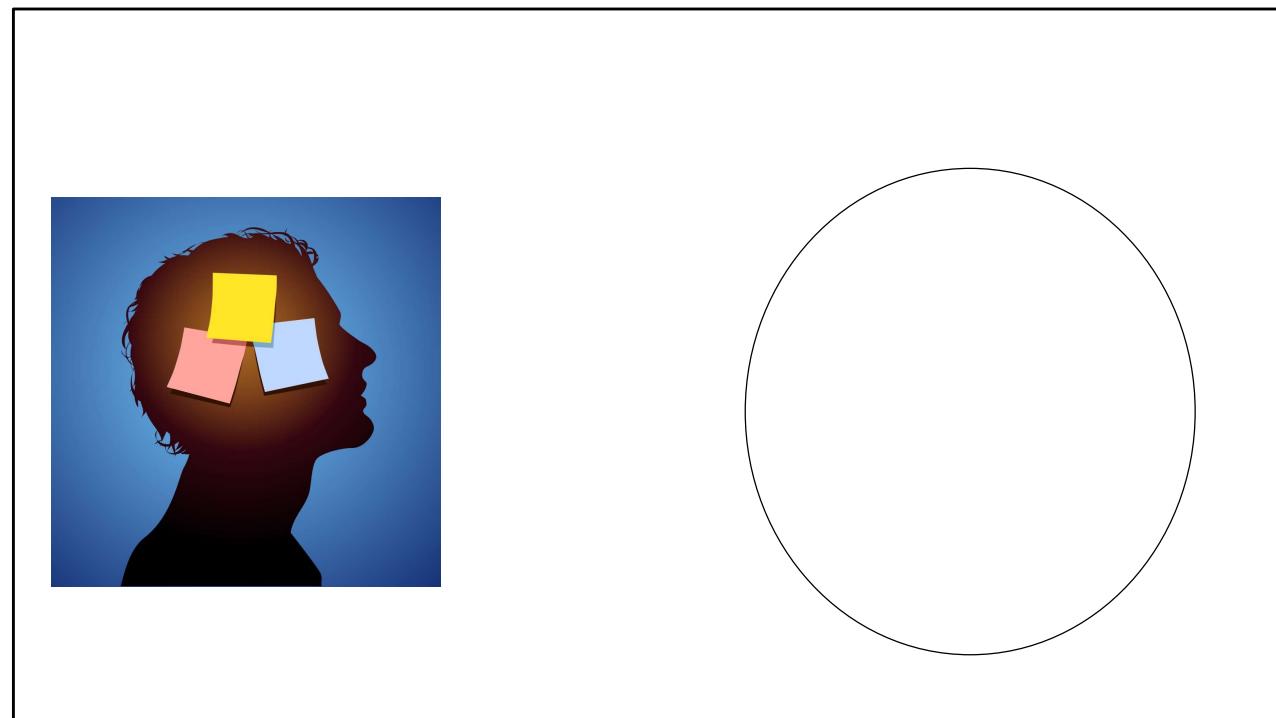


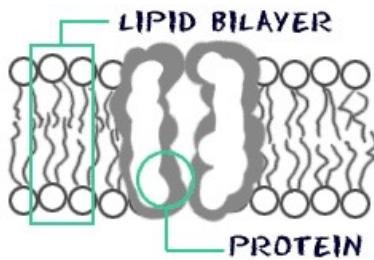
## Unlocking the terms for cell communication



Cell Membrane, Phospholipid Bilayer, Glycolipid, Cytoplasm, Lysosome, Vacuole, Mitochondrion, Cristae, Microtubule, Centrosome, Centriole, Smooth Endoplasmic Reticulum, Rough ER, Ribosome, Golgi Apparatus, Nucleus, Nuclear Envelope, Nuclear Pore, Chromosome, Nucleolus

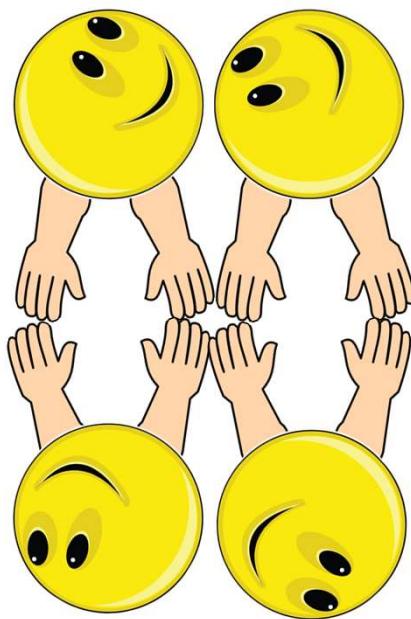


Memory brain



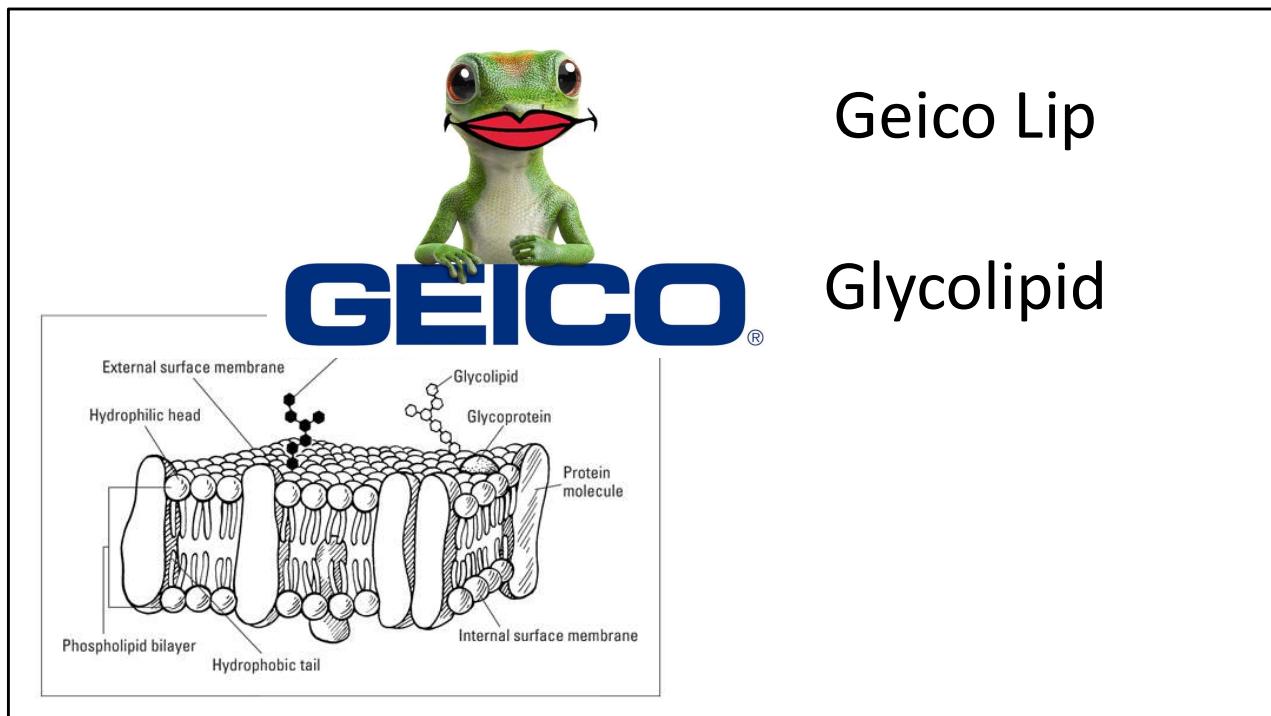
Fuss, fold, lip it,  
two (bi) layers

Phospholipid bilayer



Moms like to hang out with each other, but they still like to fuss over stuff with their kids, they still need to fold the laundry, but they still want to look both outside and inside to make sure that their kids are okay. And sometimes they try to lip read their kids to make sure that they are not saying anything bad. Also, if they are folding clothes they don't want water on their

hands so their hands are hydrophobic.



Glycolipid identification marker for the cell

Site to blast them

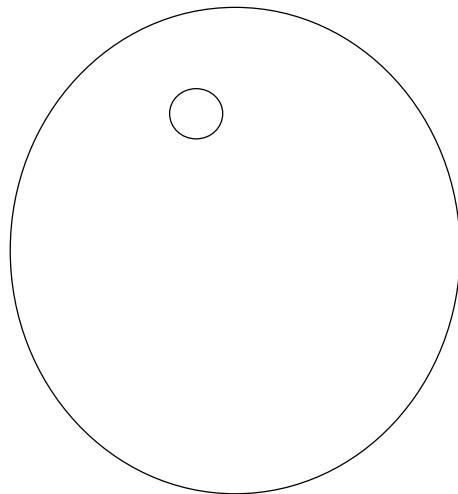


Cytoplasm

Once you enter the cell, there's the fluid filled site, where you get to blast all them organelles.

Cytoplasm: Site to blast them

## Lysol Zone

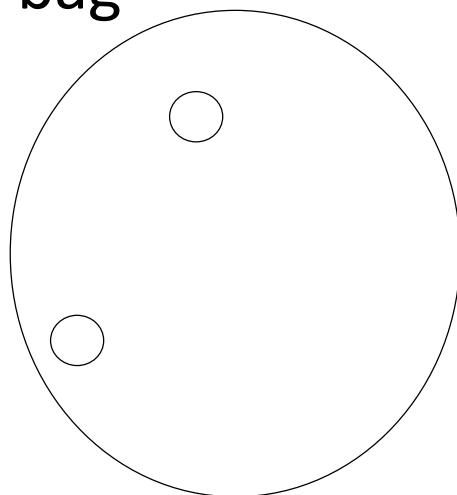


## Lysosome

But of course the cell has some defense and it uses Lysol cleaner to kill stuff. So that is the Lysol Zone.

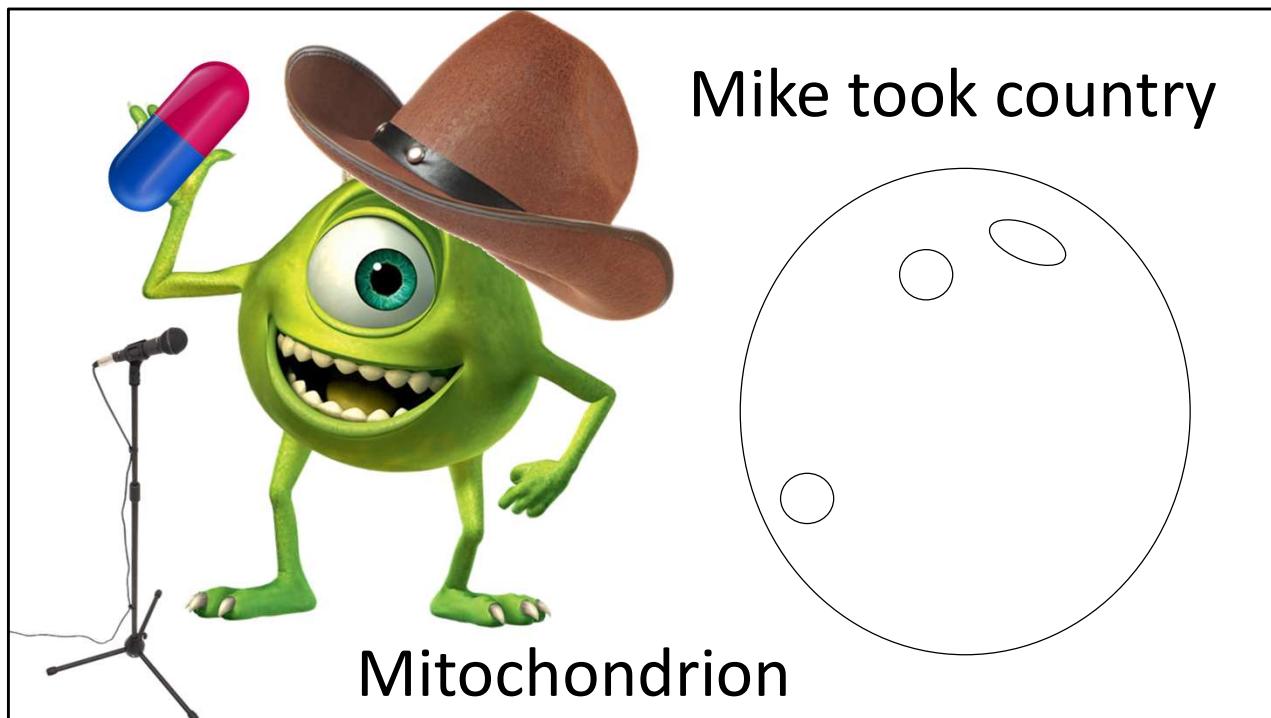
Lysosome: Lysol Zone

Vacuum into 'O'  
shaped bag



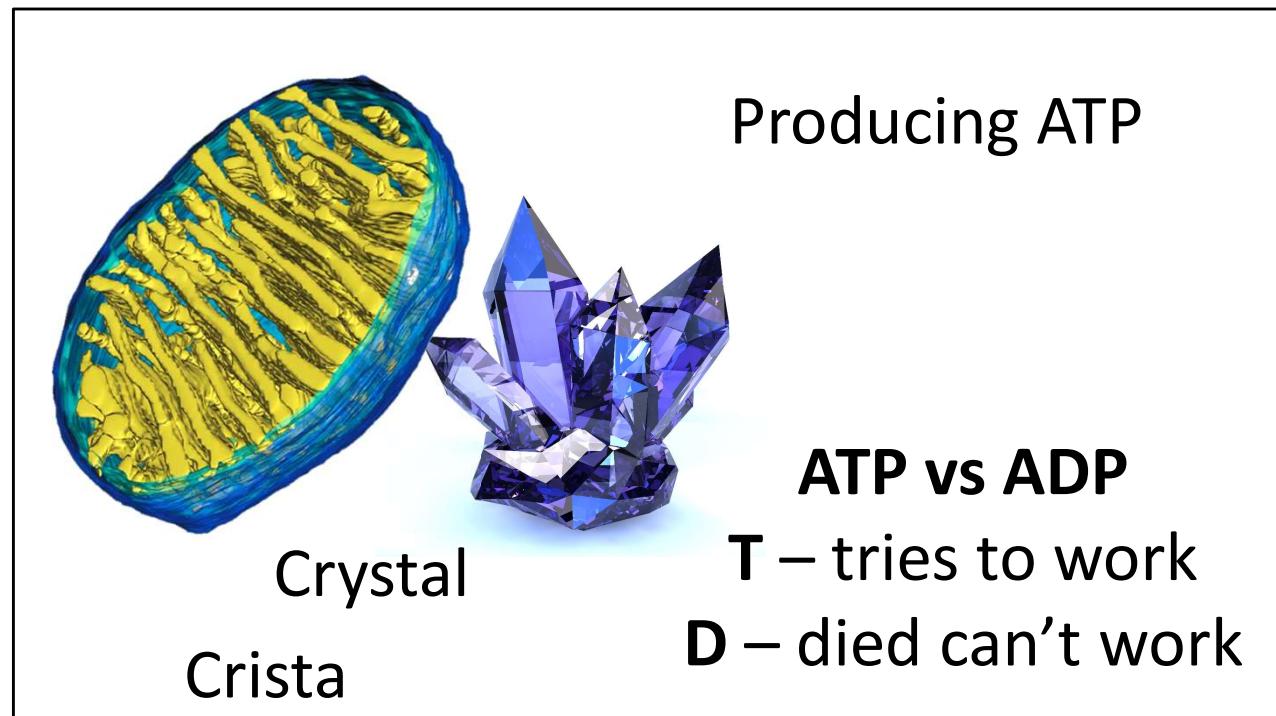
Vacuole

Vacuole: membrane bound space usually containing fluid



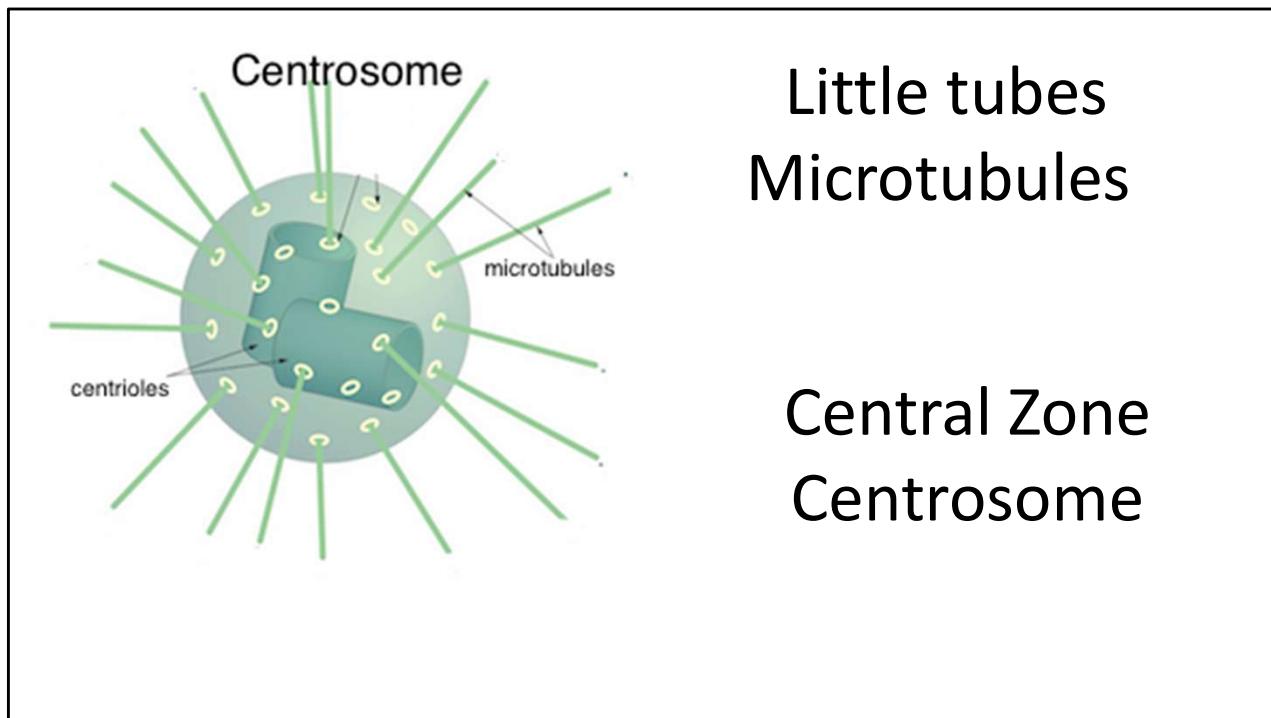
Mike Wazowski took a pill to sing country music. And of course what is Mike Wazowski's job? To generate power.

Mitochondrion: energy production

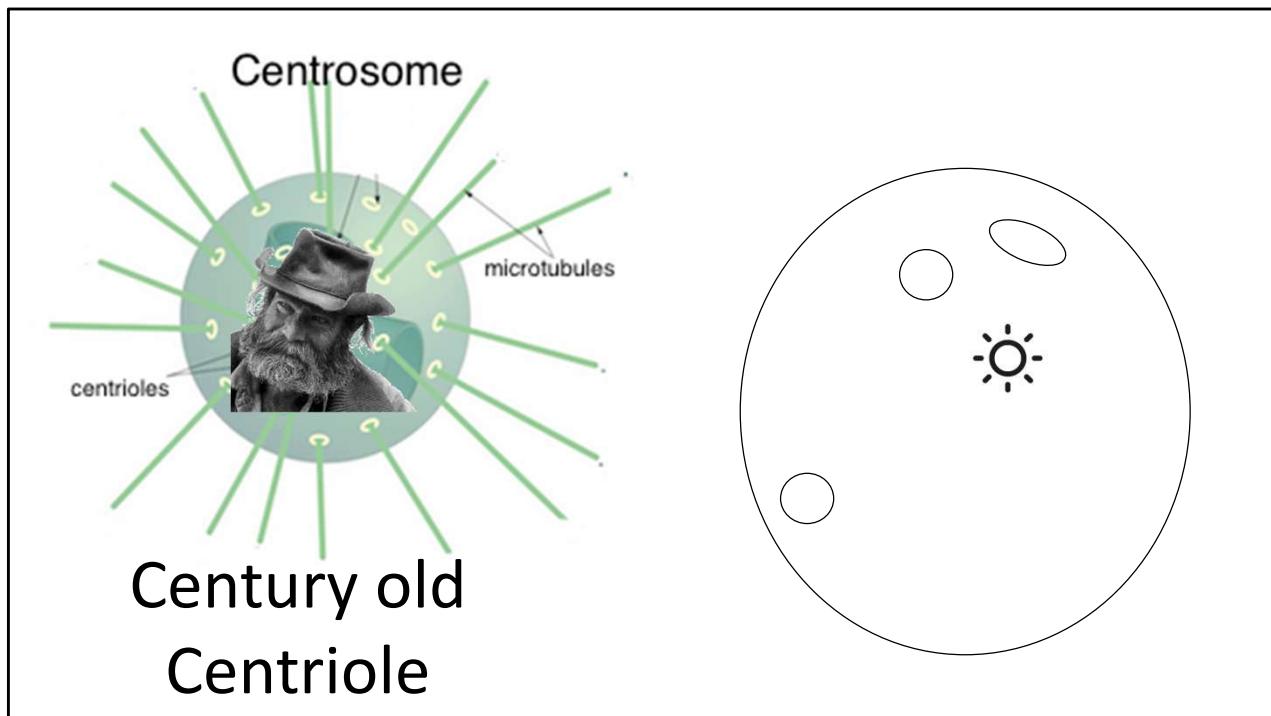


All the folds inside the mitochondrion  
reminds me of crystals

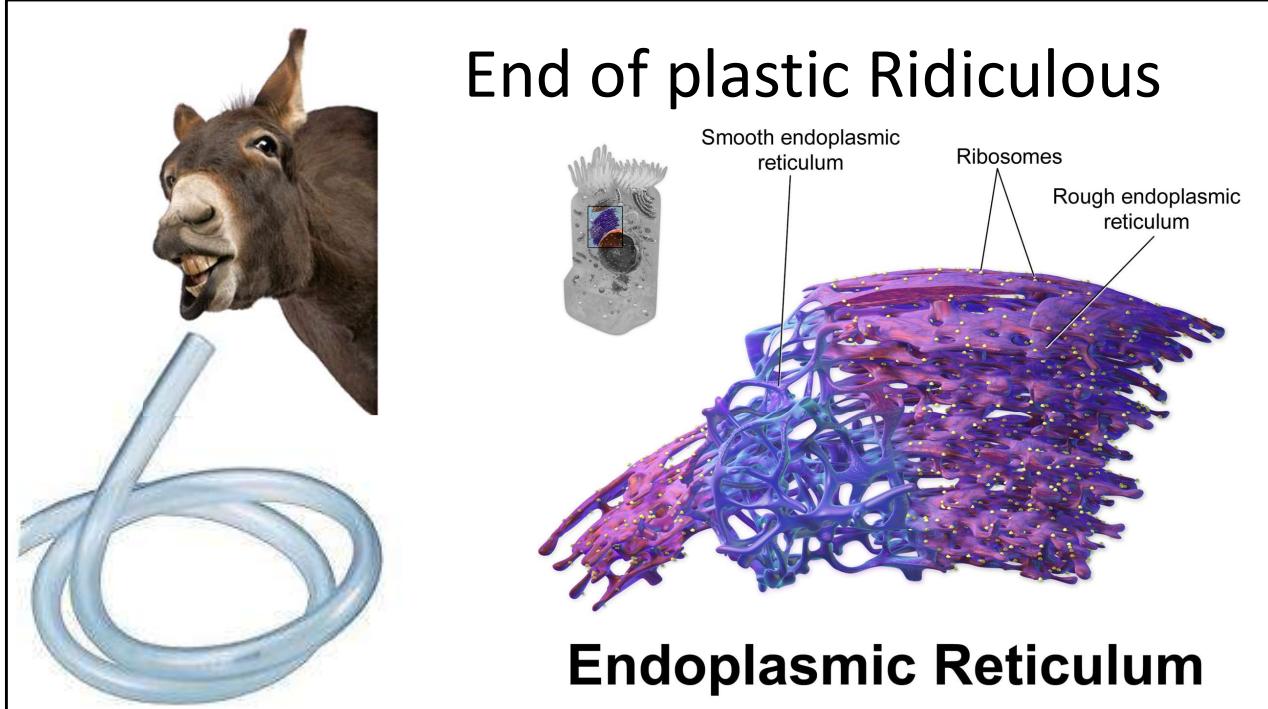
Cristae: a fold inside the mitochondrion to  
increase the area where ATP is produced



All the little tubes or Micro tubes are stuck into the central zone.



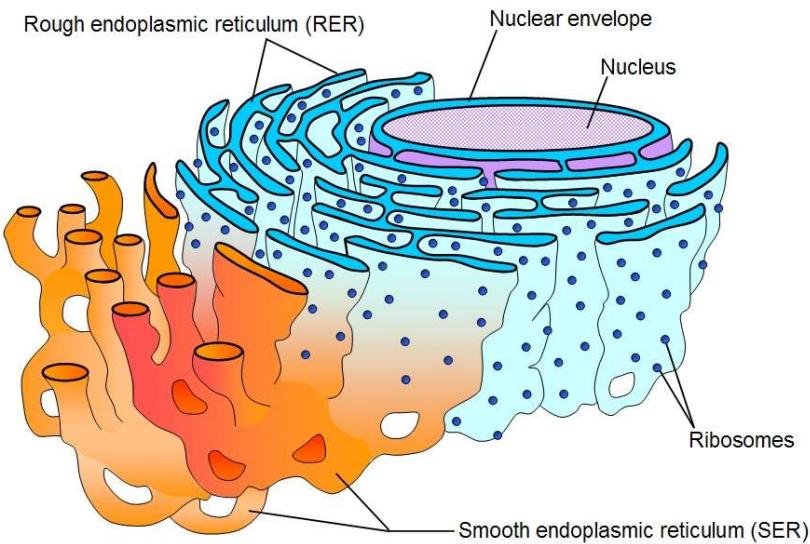
And there's a century old cowboy inside  
who uses the micro tubes as his lasso to  
pull on things



There's lots of tubes inside the cell. When you follow to the end of the plastic tubes, you find Rabadash the Ridiculous donkey.

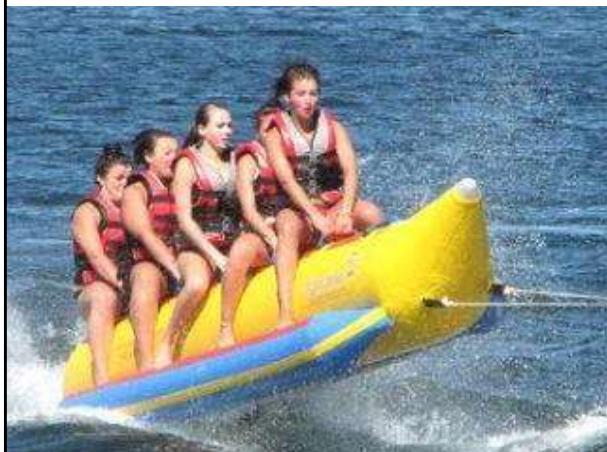
endoplasmic reticulum

## Smooth ER / Rough ER



When you first travel in the ER it's smooth,  
then you hit the rough parts

## Ride Boat Zone Ribosome



It's rough because there are lots of ride boat zones where you are tested to see if you make it into the pro-team.

Ribosome: sites for protein generation

Go Diaper Genie!



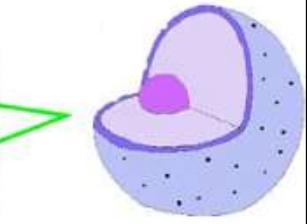
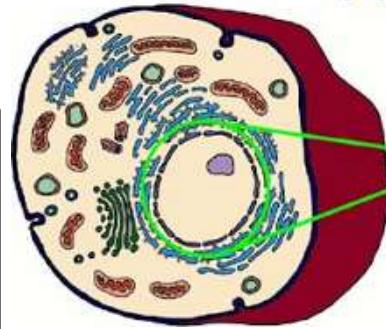
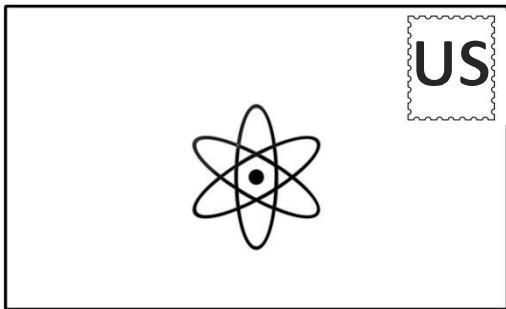
Golgi Apparatus

Diaper Genie is an amazing apparatus that packages each diaper into their own section. Go diaper Genie, let's keep things packaged.

Golgi Apparatus: packages protein into membrane bound vesicles.

Nuclear US

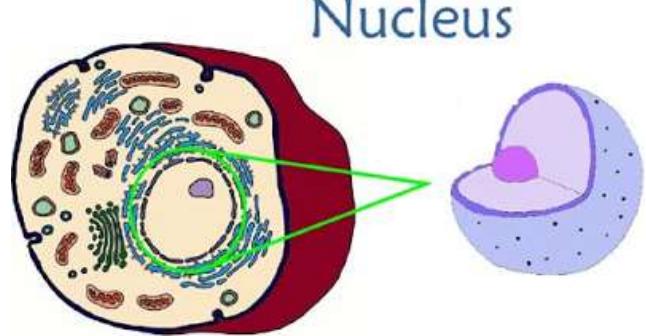
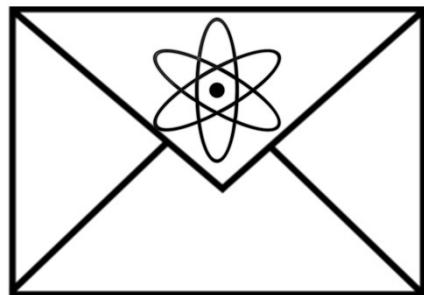
Nucleus



If you want to enter a nuclear power plant,  
you'd better be a US citizen

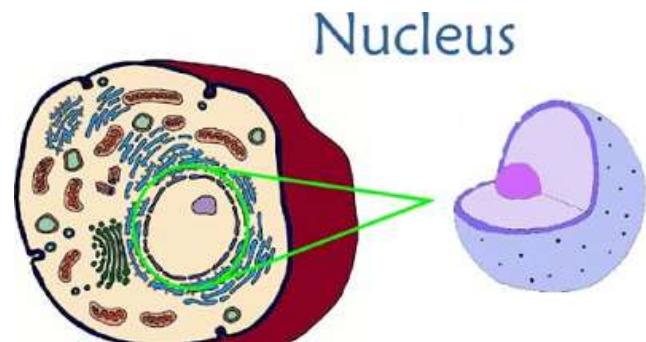
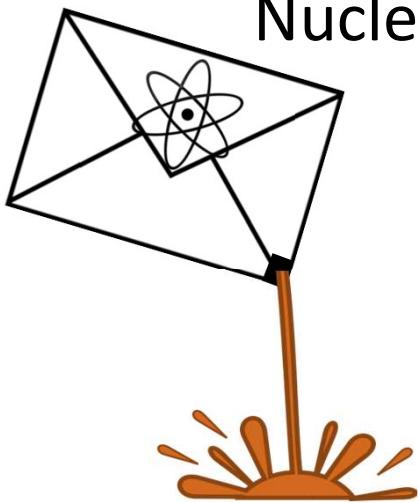
Nucleus

## Nuclear Envelope

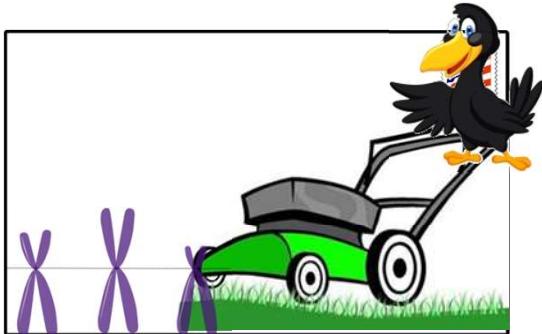
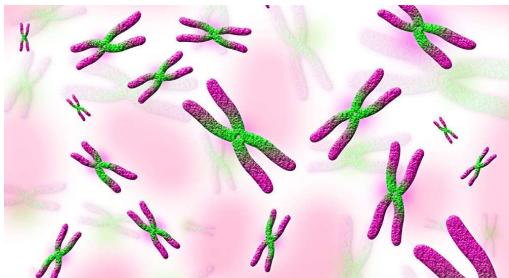


## Nuclear Envelope

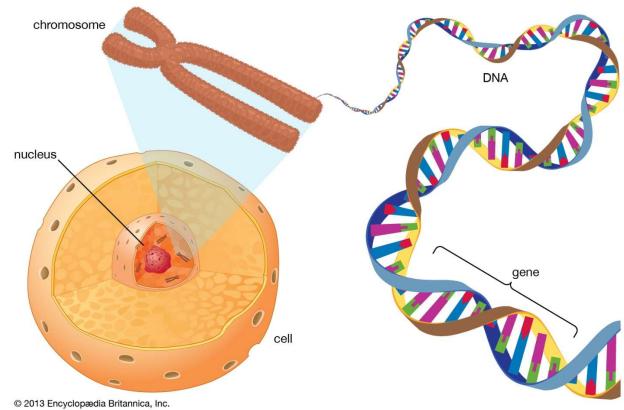
Nuclear pour  
Nuclear pore



Along the nuclear envelope there are holes  
where things pour out  
Nuclear Pore



## Crow Mow Zone Chromosome



## Chromosome

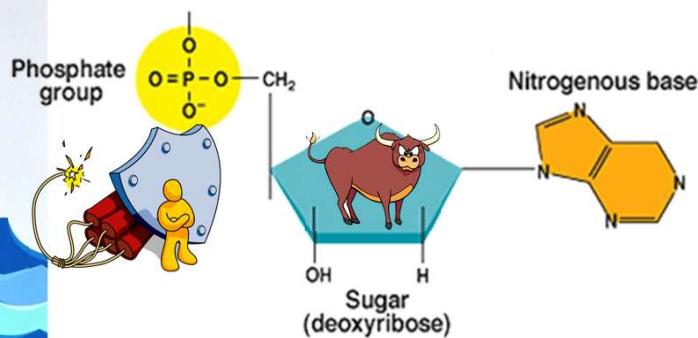
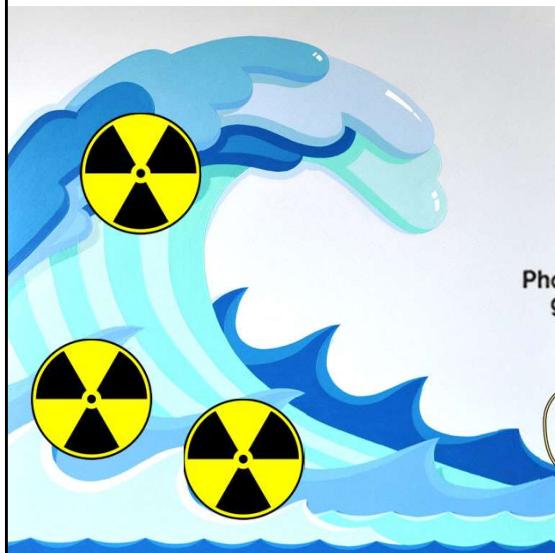
DNA  
Deoxyribonucleic  
Acid

De Ox's rival is  
a pair of Jeans:  
Genes

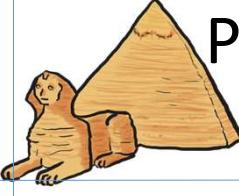
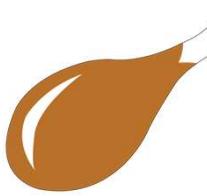
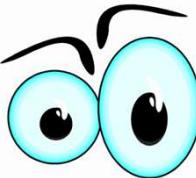


De ox's rival is a pair of jeans

## Nucleotide



When we look closely at the DNA, we see a coming radioactive storm with nuclear tides. This is because the supervillain Nitro, the genius (nitrogenous) who works at AGTC (agriculture technology), baited de ox's rivals (deoxyribose) with some sugar so we'd have false faith (phosphate) to think that we can beat the coming radioactive nuclear tide.

	Pure ring Purine		Pyramid Ding Pyrimidine	Pairs
	Add Adenine		Thigh Mean Thymine	A/T
	Guano Guanine		Sight to see Cytosine	G/C

Purine:

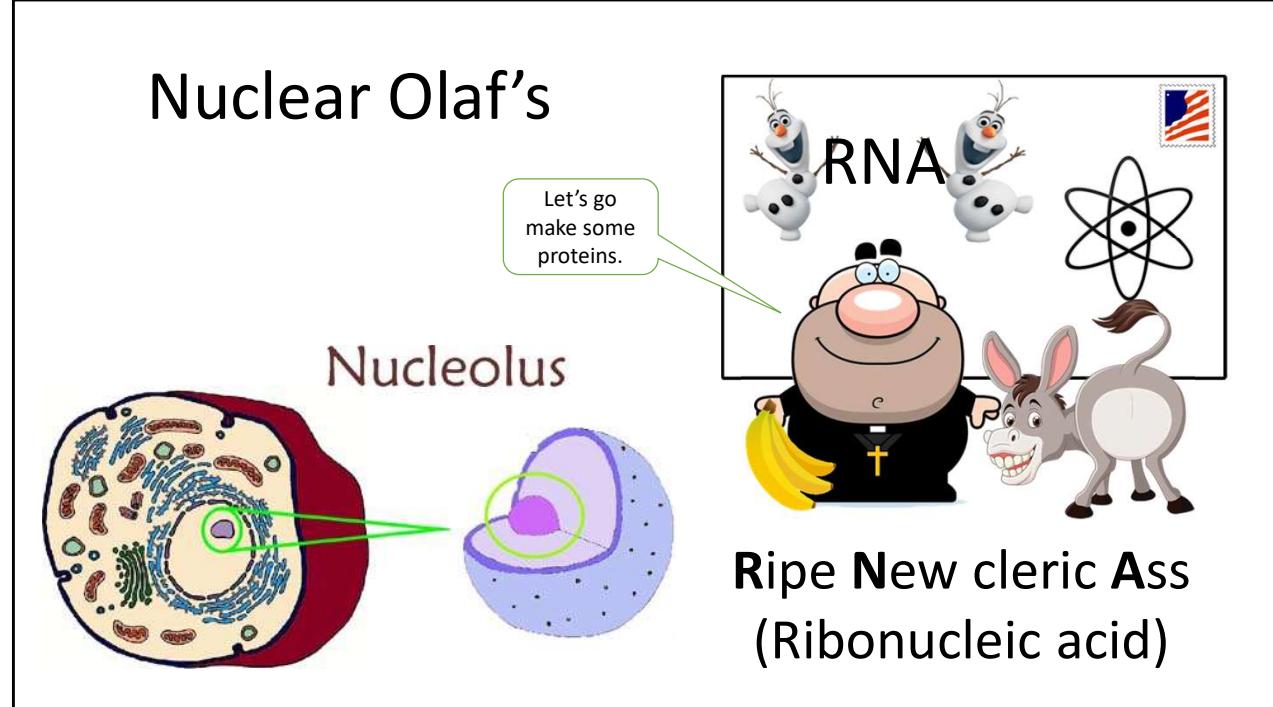
Marriage should be pure where you add one person to another.  
(will a happy marriage add “NINE” lives to your life?)

Guano is a very pure type of fertilizer (in case you don’t know, guano is bat poop)

Pyrimidine: Pyramid with dings created by bashing a mean thigh against it. Now that’s a sight to see

For DNA pairing, remember all the straight letters stick together A/T and the curved letters stay together G/C or

## Nuclear Olaf's



Nuclear Olaf's busy making **Ripe New cleric Asses** (Ribonucleic acid) in one little area of the nucleus

Nucleolus