

# Cell Structure 7.2

\* organelles  
\* labeling

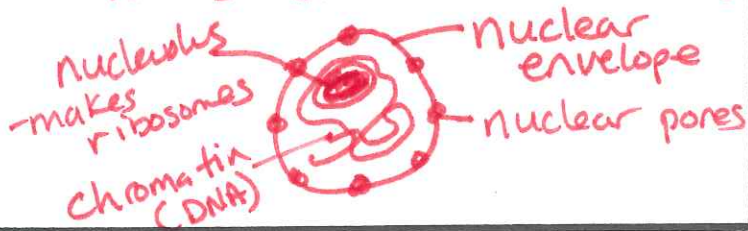
## Review

Cell Theory:	Pro	Eu
- @ least 2 cell	- Bacteria	- Plants, animals, fungi
- Smallest	- no nucleus	- nucleus
- Come from other cells	- ALWAYS 1 cell	- uni or multi

- Cells Need to:
1. make proteins \*
  2. make energy \*
  3. make more cells \*

## Nucleus

\* holds DNA (control center)



## Ribosomes

\* make proteins



## ER

RER - finishes proteins  
SER - builds lipids/membranes



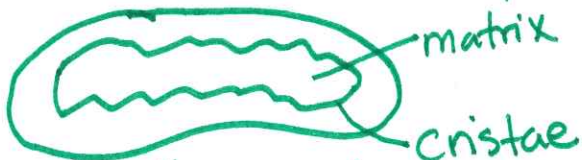
## Golgi

\* modifies, sorts, packages (post office)



## Mitochondria

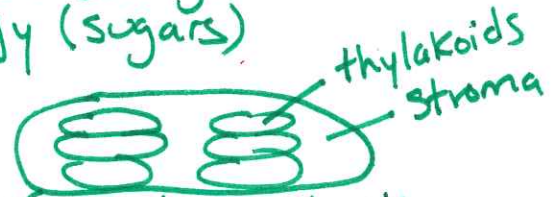
\* Convert food into Energy (ATP)



- site of cell. respiration

## Chloroplast

\* Convert sunlight into chem. energy (sugars)



- site of photosynthesis

## Centrioles

\* cell div. (animals only)  
- cytoskeleton



## Other Organelles

- membrane/wall - outside
- Lysosomes - clean, digest, recycle
- vacuoles - storage
- vesicles - movement