

Cells - building blocks of life (smallest unit to be considered alive)

Unicellular (uni = one)
made of only 1 cell

Bacteria  *Paramecium* 

Multicellular (multi = many or more than 1)
Made of many cells

Tree  *Cat*  

Prokaryotic vs. **Eukaryotic**

Pro = No Nucleus
Ex. Bacteria

Eu = Do have a nucleus
Ex. Plants, animals, fungi, algae

Bacteria (DNA floats freely) 

Lily leaf  *Cheek cell* 

• If you see a nucleus when using a microscope it is a Eukaryotic cell

Cell Theory

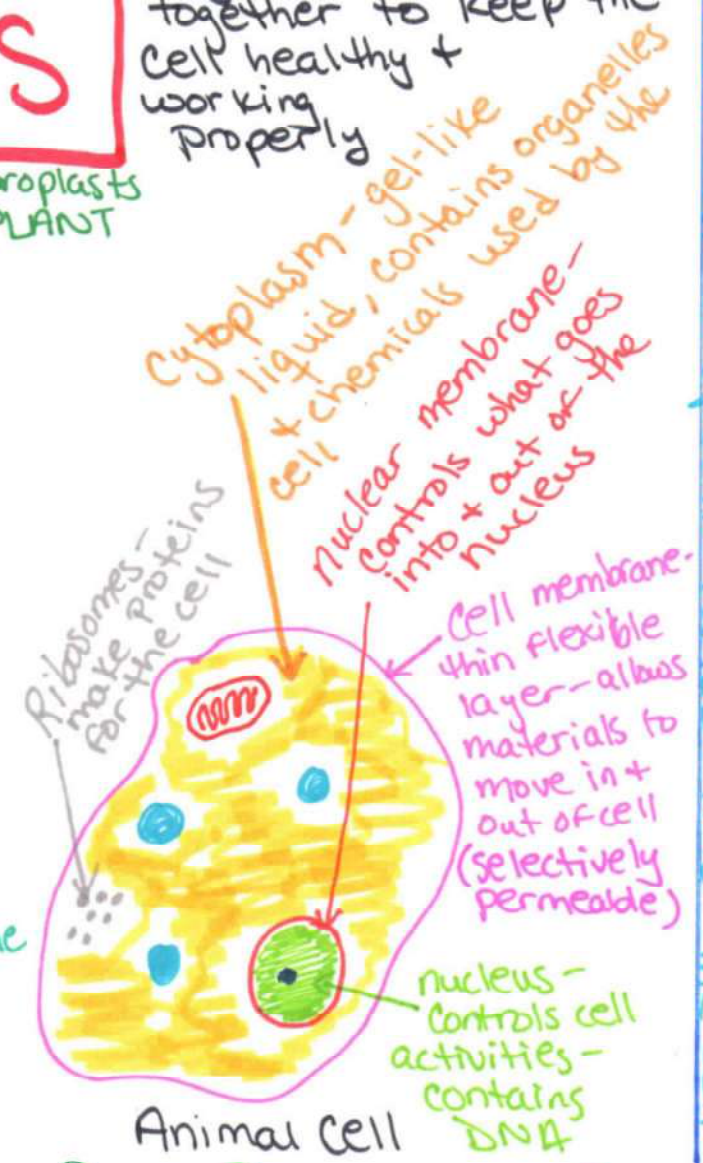
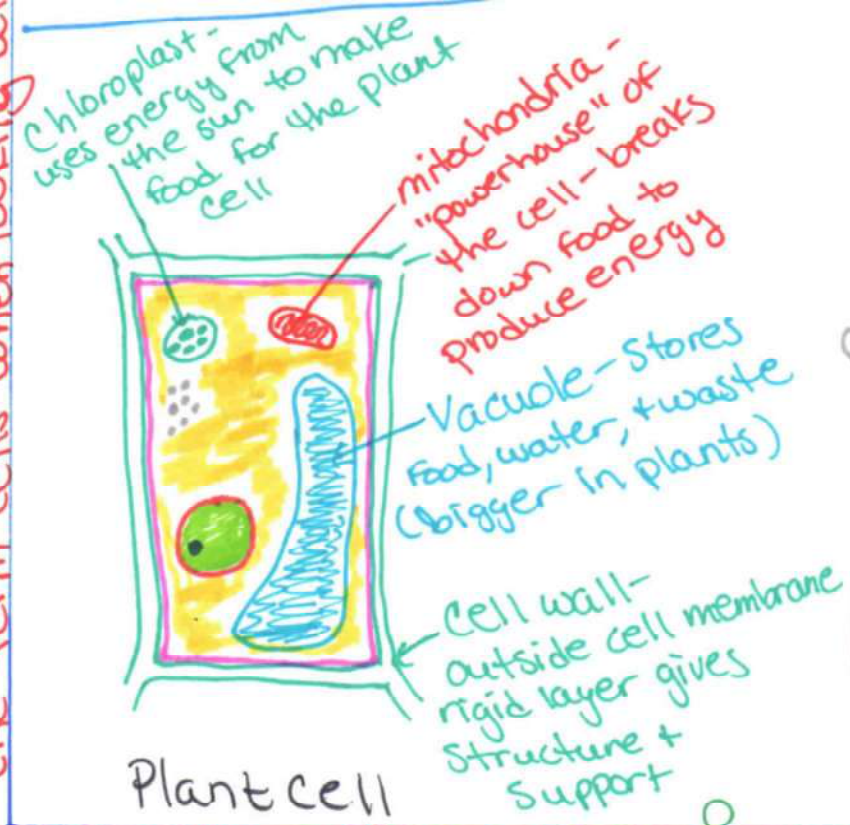
1. All organisms are made up of cells.
2. Cells are the building blocks of life.
3. All cells come from previously existing cells

Schwann, Schleiden + Virchow

Cells

Cell wall + chloroplasts are ONLY in PLANT cells!!!

Organelles work together to keep the cell healthy + working properly



Organism - any living thing

Robert Hooke - first to use the term cells when looking at a sample of cork in the microscope

Organelles - specialized structures that do specific functions for the cell