

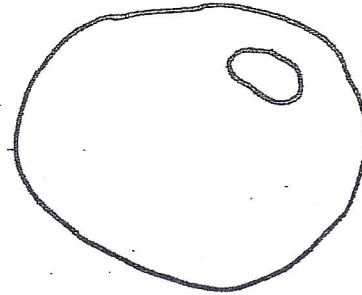
# Cell Diagram

Organelles - smaller structures within the cytoplasm; "little organs"; not every cell contains every organelle

Cytoplasm - jelly-like substance



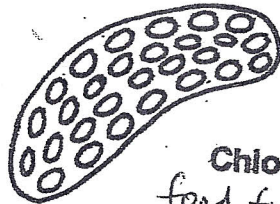
**Mitochondria** - kidney bean shaped; change food into energy; powerhouse, double membraned



**Nucleus** - cell's control center; brain



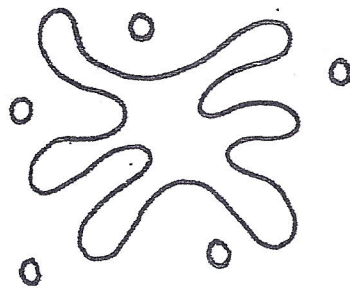
**Lysosome** - digestion center; chemicals to digest waste



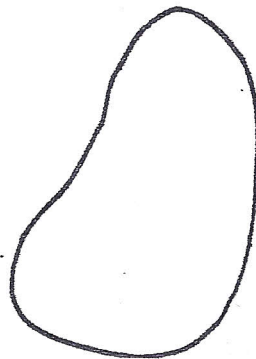
**Chloroplast** - green; food for plant cells made here



**Centriole** - forms spindle fibers to separate chromosomes during cell division  
**Ribosomes** - where proteins are made



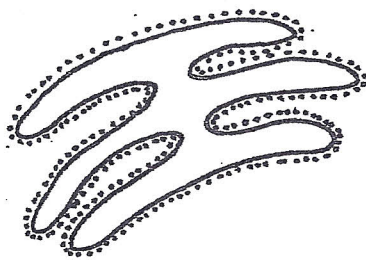
**Golgi Complex** - stores & releases chemicals; packing house



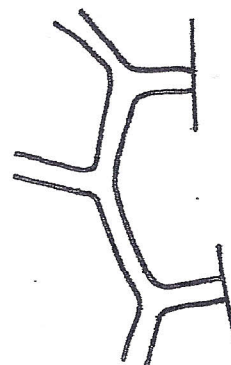
**Vacuole** - oval structures that store food, water, & waste



**Peroxisome** - protect cell from own production of toxic hydrogen peroxide



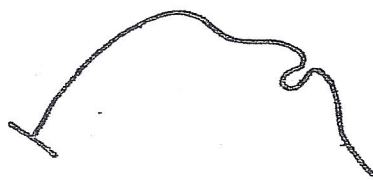
**Rough Endoplasmic Reticulum** - surface for chemical activity; ribosomes on surface



**Cell Wall**



**Endoplasmic Reticulum** - surface for chemical activity



**Cell Membrane** - gives cell shape