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| --- | --- | --- | --- | --- |
| **Organelle Name** | **Function “Job”****What does it do for the cell?** | **Appearance -** **Draw & Describe** | **Characteristic(s) or Reminds me of** | **Found In – Plant, Animal, or Both** |
| **Cell Wall** | - protects & supports cell- holds plant upright | - rectangular frame | - made of rigid nonliving  material – cellulose- stiff – but materials can  pass through like H2O &  O2 | Plant |
| **Cell** **Membrane** | - controls substances that  enter and leave cell | - covering of the cell  that has tiny  openings on it | - like a window screen –  keeps bugs out, lets air in  and out | PlantAnimal |
| **Nucleus** | - directs all the cell’s  Activities | - biggest round  shaped organelle  in cell | - movie director - has chromatin in it | PlantAnimal |
| **Cytoplasm** | - holds the organelles  | - gel-like fluid  mostly water | - gel toothpaste, unset jello  | PlantAnimal |
| **Organelle Name** | **Function “Job”****What does it do for the cell?** | **Appearance -** **What does it look like?**  | **Characteristic(s)** **“Acts Like” or any other characteristic** | **Type of Cell It Can Be Found In – Plant, Animal, or Both** |
| **Chromatin /****Genetic** **Material****A.K.A - DNA** | - holds instructions that  direct the functions of the  cell  | - string like threads | - tells cells where to go &  what to do | PlantAnimal |
| **Mitochondria** | - produces most of the  energy in the cell | - rod shaped with  squiggles | - acts like a powerplant- more in animal cells- less in plant cells | Plant Animal |
| **Chloroplast** | - capture energy from sun &  use it to produce food | - dark green dotted - oval or kidney  shaped  | - green jelly beans | Plant |
| **Vacuole** | - storage area of cell- store food, water, waste, other materials needed by cell | - water balloon in  plants | -  | PlantAnimal |
| **Lysosome** | - breaks down large food  particles, break down dead  cell parts & release  substances so they can be  used again | - small round  structure | - more in animal cells- cell’s cleanup crew | PlantAnimal |