|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | Plant  Animal |
| **Nucleus** | - directs all the cell’s  Activities | - biggest round  shaped organelle  in cell | - movie director  - has chromatin in it | Plant  Animal |
| **Cytoplasm** | - holds the organelles | - gel-like fluid  mostly water | - gel toothpaste, unset  jello | Plant  Animal |
| **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 | Plant  Animal |
| **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 | - | Plant  Animal |
| **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 | Plant  Animal |