

# Cell Organelle Organizer

| Organelle             | Description  |
|-----------------------|--|
| Vacuole               | <ul style="list-style-type: none"> <li>- membrane-bound sac</li> <li>- function: digestion &amp; release waste.</li> <li>- in animal cells → small in plant cells → large</li> </ul> |
| Ribosomes             | <ul style="list-style-type: none"> <li>- help make proteins</li> <li>- located in cytoplasm</li> </ul>   |
| Nucleus.              | <ul style="list-style-type: none"> <li>- brain of cell</li> </ul>  |
| Mitochondria          | <ul style="list-style-type: none"> <li>- power house of cell</li> <li>- produces energy.</li> </ul>  |
| Cell Membrane.        | <ul style="list-style-type: none"> <li>- thin covering that holds cytoplasm &amp; organelles inside</li> <li>- controls passage of materials in/out of cell.</li> </ul>              |
| Endoplasmic Reticulum | <ul style="list-style-type: none"> <li>- manufactures proteins</li> <li>- moves carbohydrates to golgi apparatus &amp; lysosomes</li> </ul>  |
| Cell Wall             | <ul style="list-style-type: none"> <li>- support plant → stay up straight (plant would droop without it)</li> </ul>  |
| Cytoplasm             | <ul style="list-style-type: none"> <li>- fluid in cell that holds organelles</li> </ul>  |
| Golgi Apparatus       | <ul style="list-style-type: none"> <li>- folded organelle</li> <li>- modify, sort &amp; package proteins for storage</li> </ul>  |
| Lysosomes             | <ul style="list-style-type: none"> <li>- gets rid of debris, skin cells food particles &amp; viruses</li> </ul> <p>(like the stomach)</p>  |
| Chloroplast           | <ul style="list-style-type: none"> <li>- makes plants green</li> <li>- contains chlorophyll.</li> <li>- helps with photosynthesis</li> </ul>   |