

## A Cellular Adventure – Vocabulary

The following are important reading and/or science words that are essential to understanding the story:

1. **Eukaryote** –
2. **Organelle** –
3. **Semi-permeable** –
4. **Synthesize** –
5. **Enzymes** –
6. **DNA** –
7. **Mitosis** –

The following are important vocabulary words that are essential to understanding the story. You must fill in the blank definitions and will be responsible for learning only those definitions.

<u>Organelle</u>	<u>Function</u>
Cytoplasm	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
Lipid	<ul style="list-style-type: none"> <li>• Organic compounds like fats, oils, and waxes.</li> <li>• Are used for structure and to store energy.</li> </ul>
Cell Membrane	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>
Rough Endoplasmic Reticulum	<ul style="list-style-type: none"> <li>• Makes large macromolecules like proteins, lipids, and carbohydrates.</li> <li>• Separates molecules.</li> <li>• Transports proteins inside the cell and to other parts of the body.</li> </ul>
Ribosomes	<ul style="list-style-type: none"> <li>• Can synthesize, or make, proteins.</li> <li>• Passes the proteins into the cytoplasm.</li> <li>• Found on the outside of the rough endoplasmic reticulum and in the cytoplasm.</li> </ul>
Smooth Endoplasmic Reticulum	<ul style="list-style-type: none"> <li>• <b>Not</b> covered with ribosomes.</li> <li>• Can synthesize, or make, lipids (fats, oils, and waxes).</li> </ul>

Golgi Body	<ul style="list-style-type: none"> <li>• Collects,</li> <li>• Modifies, &amp;</li> <li>• Packages substances manufactured by the cell.</li> </ul>
Lysosome	<ul style="list-style-type: none"> <li>• Breaks down worn-out organelles, debris, and ingested particles.</li> <li>• The “Trash Can” of the cell.</li> </ul>
Vacuole	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
Mitochondria	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
Nucleus	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
Nucleolus	<ul style="list-style-type: none"> <li>• Synthesizes, or makes, ribosomes.</li> </ul>
Nuclear Membrane	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
Cell Wall	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
Chloroplasts	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>