

<u>Organelle</u>	<u>Function</u>
1. Mitochondrion	ATP production; fatty acid oxidation
2. Ribosome	protein production
3. Rough endoplasmic reticulum	protein production for export
4. Smooth endoplasmic reticulum	lipid and steroid synthesis; detoxification
5. Golgi apparatus	assembly of macromolecules; transport from cell to secretion
6. Lysosome	digestion of material
7. Peroxisome	convert H_2O_2 to $\text{H}_2\text{O} + \text{O}_2$
8. Nucleus	storage of genetic information, regulation of cellular activity

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