

# **The Incredible Edible Cell**

**Each group (3-4 people) will be required to build an animal or plant cell. All materials will be provided for your group.**

**Each model must include each of the following organelles:**

<ul style="list-style-type: none"> <li>• Cell Wall (plant cell)</li> <li>• Cell Membrane</li> <li>• Nucleus</li> <li>• Nucleolus</li> <li>• Cytoplasm</li> <li>• E.R.</li> <li>• Golgi Bodies</li> </ul>	<ul style="list-style-type: none"> <li>Ribosomes</li> <li>Mitochondria</li> <li>Vacuoles</li> <li>Lysosomes</li> <li>Nuclear Membrane</li> <li>Chloroplast (plant cell)</li> </ul>
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**Grading will be based on the following criteria:**

<b>Task</b>	<b>Points Possible</b>
All group members names on project	5
Is the cell type (plant or animal) written on the project?	5
Are all the organelles included? (10 for plant cells, 9 for animal cells)	10
Are the organelles correctly labeled? Each organelle must be labeled with its name and function. You may label each organelle or create a key.	20
Are the relationships between the parts, if any, shown correctly? Are ribosomes on endoplasmic reticulum? Is the endoplasmic reticulum near the nucleus?	10

You may use the following materials, but they cannot count as part of the cell: container, plastic wrap, paper, or toothpicks. Keep in mind that these projects will be eaten after they have been graded!

**PROJECT DUE:**

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**Example of label:**

<p><b>Mitochondria</b> Powerhouse of the cell</p>
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