<table>
<thead>
<tr>
<th></th>
<th>Accurately Displayed on Cell</th>
<th>Accurately Listed on Key</th>
<th>Accurate Definitions or Functions</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>cytoplasm</td>
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<tr>
<td>nucleus</td>
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<tr>
<td>vacuole</td>
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<tr>
<td>mitochondria</td>
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<tr>
<td>cell membrane</td>
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<tr>
<td>chloroplasts (plant cell only)</td>
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<tr>
<td>cell wall (plant cell only)</td>
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<tr>
<td>extra credit parts</td>
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</tbody>
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Neatness
Creativity
Effort

Completed on-time
Yes/No

Score ___________________________

Comments: ____________________________________________________________
Cell Project

Learning Target: Students will create a model of a cell, labeling each part, and designing a key with the definition/function of each part.

Your assignment is to create a fantastic, colorful, and accurate model of a cell. It may be a poster, 3D model, edible, or any creative way you want that exhibits knowledge of cytological anatomy (the parts of a cell and their jobs). The cell may be either a plant or an animal. If you decide to make an edible cell, it will not be shared at school. You may work with partners if you receive teacher permission.

This website gives you great ideas on how to create a cell model:  
http://www.kathimitchell.com/cells.html
This powerpoint has images of fantastic projects:  
https://compcolts.wikispaces.com/file/view/Incredible+Cell+Project+Ideas.pptx

Animal cells must have the following organelles:
1. cytoplasm
2. nucleus
3. vacuole
4. mitochondria
5. cell membrane

Plant cells must have the following organelles:
1. cytoplasm
2. nucleus
3. vacuole
4. mitochondria
5. cell membrane
6. chloroplast
7. cell wall

For extra credit, research and include the following in your project: golgi complex, ribosomes, chromatin, smooth ER, rough ER, and lysosomes.

Don’t forget to include a key with your creation. Define or explain the function of each cell part on your key. This project counts as a test grade. Your grade is based on cell accuracy, completeness, creativity, neatness, and effort.