







## Cellular Structure Performance Task Rubric

Category	4	3	2	1-0
<b>Representation of Cell Structures as Factory/City Structures in the model</b>	All 6 structure/factory functions are accurate	At least 5 are accurate	At least 4 are accurate	3 or less are accurate
<b>Labels - Description of cell and location function</b>	6-5 parts are accurately labeled with description of cell <b>and</b> location function	4-3 parts are accurately labeled with description of cell <b>and</b> location function	2-1 parts are accurately labeled with description of cell <b>and</b> location function	0 parts are accurately labeled with description of cell <b>and</b> location function
<b>How might the blueprints for a building or location be compared to a DNA in cells?</b>	Student explains: The purpose of a blueprint is to determine the structure and function of a building or location. The purpose of DNA is to determine the structure and function of a cell.	Student explains ONLY: The structure OR function of a blueprint and DNA, they do not explain both.	Student only explains the purpose of a blueprint OR the purpose of DNA.	Student does not accurately answer the question correctly
<b>Would it be more advantageous for a building or location to work like an animal cell or a plant cell? Decide which one and give two supporting reasons.</b>	Student explains: Which type of cell would be more advantageous and includes 2, accurate supporting reasons.	Student explains: Which type of cell would be more advantageous and includes only 1 accurate, supporting reason.	Student explains: Which type of cell would be more advantageous and includes 1-2 <b>inaccurate</b> reasons.	Student explains: Which type of cell would function better but does not provide supporting reasons.
<b>What would happen if an organelle went on strike?</b>	Student chooses an organelle to go on strike and provides 3 outcomes to the cell.	Student chooses an organelle to go on strike and provides 2 outcomes to the cell.	Student chooses an organelle to go on strike and provides 1 outcome to the cell.	Student does or does not choose an organelle to go on strike but does NOT provide any outcomes to the cell.