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Building A Structure : Edible Plant Cell

Teacher Name: **Nabors**

Student Name: _____

CATEGORY	4	3	2	1
Cell Knowledge and Function	Explanations by all group members indicate a clear and accurate understanding of scientific principles underlying the construction and modifications, including organelle function.	Explanations by all group members indicate a relatively accurate understanding of scientific principles underlying the construction and modifications, including organelle function.	Explanations by most group members indicate relatively accurate understanding of scientific principles underlying the construction and modifications, including organelle function.	Explanations by several members of the group do not illustrate much understanding of scientific principles underlying the construction and modifications, including organelle function.
Construction of Edible Materials	A variety of appropriate materials were selected and creatively modified. All materials were edible.	Some appropriate materials were selected and there was an attempt at creative modification. All materials were edible.	Appropriate materials were selected. Some materials were edible.	Inappropriate materials were selected and contributed to a product that performed poorly. Very few materials were edible.
Structure Performance	Structure functions extraordinarily well. Structure is sturdy, easily transported, and adequate for display.	Structure functions well. Structure was successfully transported and displayed without damage.	Structure functions pretty well, but deteriorated during transportation or was difficult to display.	Fatal flaws in function. Structure came apart during transportation or display.
Required Components	Model is neat and organized. All 11 required organelle components represented including the cell wall, cell membrane, nucleus, cytoplasm, mitochondria, chloroplast, endoplasmic reticulum, ribosomes, golgi bodies, vacuoles, and lysosomes.	Model is organized. Most of the required organelle components are represented (8-11).	Model is neat. Some required organelles components are represented (4-7).	Model is disorganized. Only 0-3 organelle components are represented.