Title: Making a Cell   Name_____

Introduction: The small size of cells and cell parts make them difficult to visualize. In this activity you will make a model of a cell and it's parts to help you understand what the parts are and what they do.

Materials: ziplock bag, stuff from home

Prediction: How many cell parts can you model and name?

Procedure:
1. List the parts of the cell you want your group to model.
2. Describe the function of the parts.
3. Describe what object will represent that part of the cell. Assign group members to bring the objects or use what your teacher has provided.
4. Build the cell.
5. Tables will trade cells and check off parts of other tables cell.
6. Each table reports on what they think is the most creative cell part of the group they checked-off.

Data:

Cell Part	Function	Modeled by:

Total number of parts modeled: Most creative part:

Analysis:

1. How is your model an accurate representation of a cell?

2. How is your model inaccurate?

3. Which parts help to direct the work of the cell?

4. Which parts are structural?

5. Which parts are involved with energy gathering or using?

6. Why did groups that chose to model plant cells have an opportunity to have more cell parts?

7. What cell organelles would be more numerous in muscle cells?

Conclusion: 2 things you learned: