

Lab: Design a Cell

Name: _____

Date: _____

Lab # _____

Period _____

Mr. Hodder

Problem: What are the structures and functions of the cell?

Materials: Text, charts, overheads, class notes, colored pencils and markers.

Procedures

1. Research the parts of the cell using the materials at your disposal.
2. Record the location and functions of all of the cell parts in the table provided.
3. Create a cell of your own design on a separate piece of white paper.
4. Print all (11 or 12) cell part names and functions on the cell.
5. Add color, style and pizzazz; remember it is a cell of your own design!

Data and Observations:

Table 1

Cell Part	Location	Function
Cell Membrane		
Nucleus		
Nuclear Membrane		
Cytoplasm		
Endoplasmic Reticulum		
Ribosome		
Mitochondria		
DNA		
Golgi Complex		
Vacuole		
Cell Wall		
Chloroplasts		

Analysis & Conclusion

1. What structures are found in the plant cell and not in the animal cell? _____

2. On what part of the cell are ribosomes located? _____