

**Lab: The Cell as a Factory**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Lab # \_\_\_\_\_

Period \_\_\_\_\_

Mr. Hodder

Problem: How is the cell like a factory?

Materials: Source book, notes, overhead, your knowledge of the cell organelles

Procedures

1. Review the various organelles of the cell.
2. In table 1 record the corresponding factory part and function of the listed cell parts (use your source book as a referral for this section).

Data

**Table 1**

<b>Cell Part</b>	<b>Factory Part</b>	<b>Function</b>
Nucleus		
Chromosomes		
Cytoplasm		
Vacuoles		
Mitochondria		
Ribosomes		
Cell Membrane		

Conclusions

1. In this lab we compared a cell to a factory. Name something other than a factory that we can compare a cell to. \_\_\_\_\_  
\_\_\_\_\_
2. From your knowledge of organelles which type of cell only has these parts. \_\_\_\_\_
3. Which organelles only exist in the plant cell? \_\_\_\_\_  
\_\_\_\_\_