



Name: _____ Date: _____ Per: _____

STUDENT JOURNAL

Part I: Plant and Animal Cell Functions

Fundamental Question: What are the differences between plant and animal cells?

Organelle	Present in Plant Cell (P), Animal Cell (A) or Both (B)	Functions/Organelle's Job
Cytosol/Cytoplasm		
Chloroplast		
Vacuole		
Cell Membrane		
Nucleus		
Cell Wall		
Mitochondria		



Part I: Plant and Animal Cell Functions, continued

Organelle	Present in Plant Cell (P), Animal Cell (A) or Both (B)	Functions/Organelle's Job



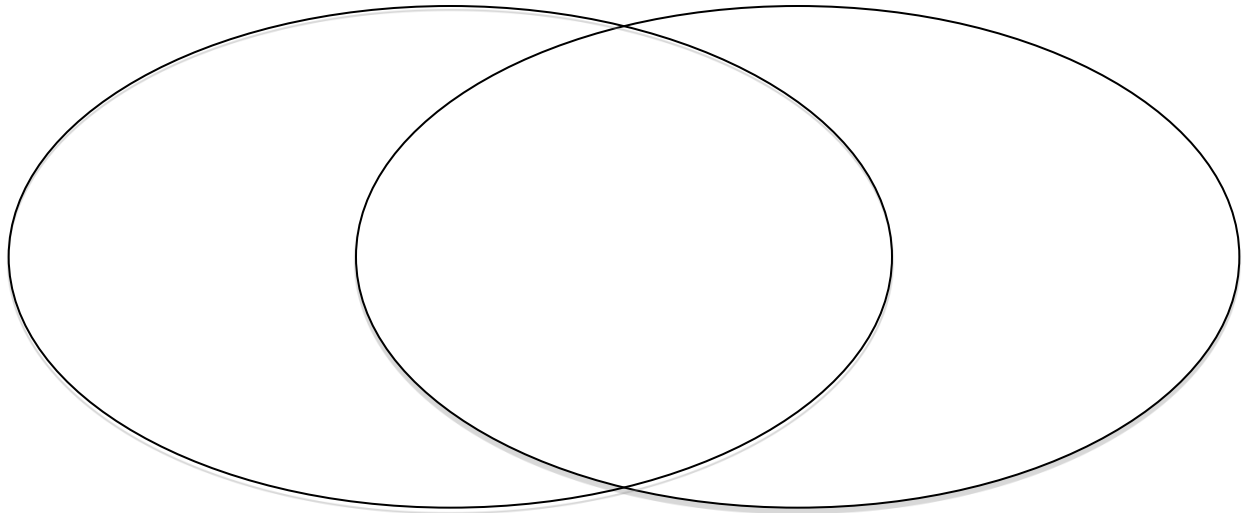
Part II: Venn Diagram for Plant and Animal Cell Organelles

Fundamental Question: What are the differences between plant and animal cells?

In the space below, write each organelle in their proper space.

Animal Cell

Plant Cell



1. What are the similarities between plant and animal cell organelles?

2. What are the differences between plant and animal cell organelles?

3. What can you conclude about plant and animal cell organelles?

Part III: Mad Scientist Cookbook

Fundamental Question: What are the differences between plant and animal cells?

Recipe for a _____

Ingredients: List up to 10 ingredients, and include amount for each. (For example, "1 Nucleus")

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

Directions: Explain how each ingredient functions in the cell.

Reflections and Conclusions

1. What type of cell did you research?

2. What type of cell did you “cook up” from your partner’s recipe?

3. What was the most challenging part of the activity?

4. Did you correctly guess the type of cell you illustrated? Why or why not?

5. How can animal cells differ in their appearance and function?

6. How can plant cells differ in their appearance and function?

