

Laboratory Title: Relationships and Biodiversity

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

Today's Date: \_\_\_\_\_ Period: \_\_\_\_\_

Partners: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Laboratory Performance: _____/50
_____ Data Charts
_____ Interpreting Results (calculations, graphs, etc)
_____ Questions
_____ Clean-up

Purpose & Conclusion: _____/50
_____ Purpose/Hypothesis (10/50) (Why are we doing this lab?)
_____ Conclusion (40/50) (Specifically explain AT LEAST four (4) "things" you learned from this laboratory exercise. ★ Be sure to make connections in your conclusion. Use <u>bullets</u> for each statement.

Purpose: (Read introduction and put purpose in your own words)

\_\_\_\_\_  
\_\_\_\_\_

Prelab Introduction

1. How many tests are you going to perform to find which species is most closely related. \_\_\_\_\_
2. The above tests are separated into two categories of tests, "Structural Evidence of Relationships" and "Molecular Evidence of Relationships". Which category do you think will be the best to identify similarities between the four species of plants and explain why?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Conclusion:

1. Describe how DNA and RNA are both the same and also how they are different by completing the table below

	Type of sugar	Names of nitrogen bases	Number of kinds/types	Number of strands
DNA				
RNA				

(Continue on back)

