DNA Model Lab Report Guide

Date Submitted:
Period:

Self-evaluation rubric

Word doc of lab

Names: (students can work in groups up to three)

The Lab Problem: Build a model of a DNA molecule.

Research References:

Procedures	Model Diagram
This lab will be done outside of class. In teams of no more than three build a model of a DNA molecule using materials of your choice (purchased kits prohibited). Your model must be as follows: • The model must be free-standing. • The model must show the twisted double helix shape • Size no larger than 25 cm wide and deep by 50 cm tall • The sugar and phosphate molecules must alternate along the two strands. • The 4 nitrogen bases must be joined accurately. • Draw a diagram of your model and label all parts. • Include model, drawing and rubric to be turned in. Honors Biology: In addition to the model above • show phosphodiester bonds • show hydrogen bonds • indicate the 5' to 3' & 3' to 5' directions • use this (right side) sequence of nitrogen bases to construct your model Top ATTGGCCA Bottom "More bases can be added after if you wish"	