DIRECTIONS:

Step #1
You must choose two organisms from different families with the similar(5 more or less) number of chromosomes. Your choice will determine what you would like to genetically engineer. Keep in mind why you would want to put those two organisms together (ei. environmental reasons, species are endangered explain).

Step #2
Draw two structures of DNA, be sure the nitrogen bases are in different arrangements for each organism.

Step #3
Draw and explain Meiosis, be sure to illustrate where genetic variation occurs.

Step #4
Explain each organisms' physical characteristic (only those you have chosen).Use a dictionary for help. A drawing of each chosen organism maybe completed with a brief labeling instead of a lengthy explanation.

Step #5
Draw and label physical features on your new genetically engineered organism.

Step#6
Color all organisms and any other area on your poster.

Step #7
Check spelling, any mistakes 10 points will be deducted from final grade.

Step #8
Share space and instruments with paired partner. Points will be deducted if partners cannot work together, or instruments are broken.

Step #9
Students in groups must maintain active and quiet in Class. Points will be deducted each time spoken to and will be noted on final project.

Step #10
Projects must be handed in on time. The due date is _____, _____. Projects must be complete and hung in class or in the hallway. Grades will be posted on _____, _____. This project will be taken as a test grade.

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