DNA MANIPULATION

Go to DNA. Org and then click on MANIPULATION, and click on TECHNIQUES.

Once in techniques click on; cutting and pasting----click on each title and watch and understand

 -transferring and storing----briefly state each method of storage

 - large scale analysis- explain how they make DNA chips and array

 - sorting and sequencing----describe gel electrophoresis

 - amplifying---- click on making copies of DNA, then on

 Amplification---go through the simulation and draw it.

 - Model organisms---- click on model organisms and scroll over each and summarize why they are used

Click on AMPLIFICATION---- click on genes and medicine

 click on DRUG DESIGN

 Summarize each of the 4 areas shown to show how they came up with a drug to treat Myeloid Leukemia

EVALUATION

Clarity of information 10

Succinct information 10

Translation into own words 10

Presentation of work 5

Total 35

 ***HAND THIS SHEET IN WITH YOUR ASSIGNMENT***