Prelabs are due at the beginning of each lab period. No credit will be given for late prelabs. Please read through the lab, refer to the textbook and lecture notes and answer the questions below.

Questions:
1. What are you trying to determine in this lab?

2. In your own words, define a restriction enzyme.

3. Consider a linear DNA molecule with four randomly occurring EcoRI restriction sites. If this molecule were completely digested, how many fragments would you expect to see on your gel?

4. In agarose gel electrophoresis, why do you place the samples of DNA in wells at the negative pole of the gel?