Name:

Activity 5.4 Postlab Focus Questions

Use whatever sources of information at your disposal to answer the questions. However, all answers must be in your own words. Position the cursor below each question, and your answer should automatically appear in red type. If it does not, then make your answers (but not the questions) red. Add as much space as necessary for each answer. Save the completed document as Activity5.4YourSurname.docx (with no spaces), replacing YourSurname with your own last name. For example, Dizzy Gillespie's document would be named Activity5.4Gillespie.docx. If you name your document incorrectly, you will lose points. Remember where you save the document, so you can find it when you need to upload it.

1. Using the experimental data from the gel quantitation and spectrophotometric analysis, state which of these methods provides the most accurate determination of DNA concentration. Explain your reasoning.

Answer:

2. Which plasmid yield was higher, S3 or pGLO plasmid?

Answer: Ignore this question. (We did not work with S3 plasmid.)

3. Speculate of whether pGLO plasmids are high or low copy number plasmids and give your reasoning.

Answer:

4. What was the A260:A280 ratio for the pGLO plasmid preparation? Were the ratios > 1.8 (pure DNA), <1.7 (impure), or 1.7 to 1.8 (borderline)?

Answer: