Lab 4b Questions

1. What is the purpose of the DPIP in this experiment?

2. What molecule found in chloroplasts does DPIP “replace” in this experiment?

3. What is the source of the electrons that will reduce DPIP?

4. What was measured with the spectrophotometer (colorimeter) in this experiment?

5. What is the effect of darkness on the reduction of DPIP? Explain.

6. What is the effect of boiling the chloroplast on the subsequent reduction of DPIP? Explain.

7. What reasons can you give for the difference in the percent transmittance between the live chloroplasts that were incubated in the light and those that were kept in the dark?

8. Identify the purpose of each of the cuvettes?