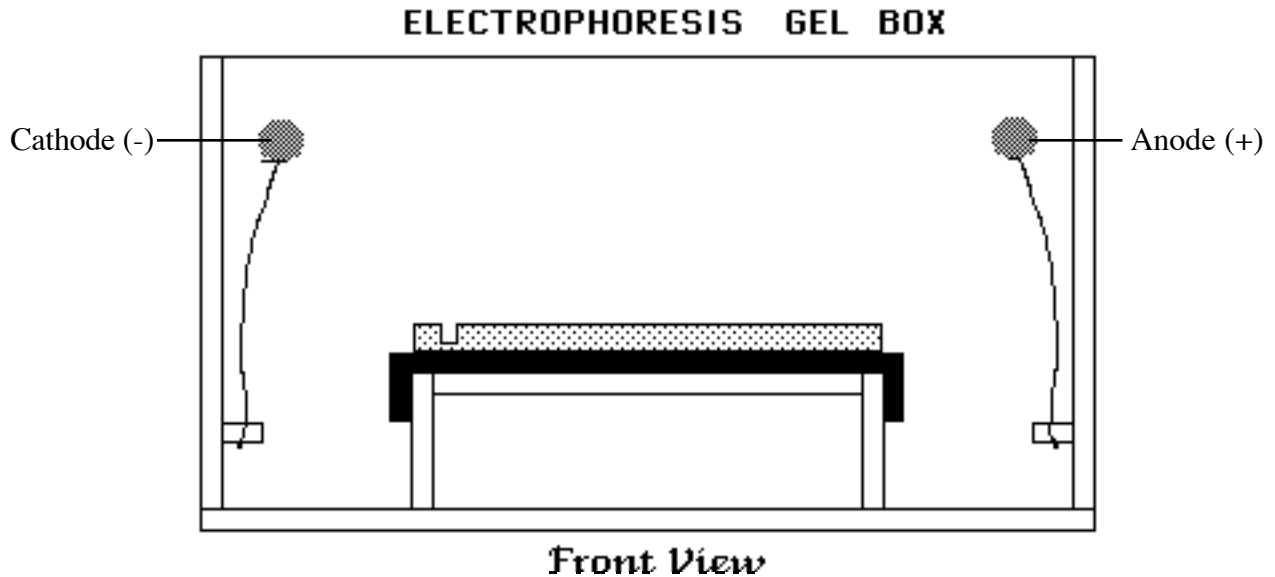


Name: _____ Date: _____ Period: _____

Lab C1: Electrophoresis Pre Lab Activity Sheet (Casting and Loading a Dye)

1. **Record** your answers to questions a-c on the drawing of the electrophoresis gel box below.
 - a. Label the gel, gel tray, and gel tray gates.
 - b. Draw a line to show the desired buffer level. Label the line "buffer level".
 - c. Use a large dot to show the loading dye placement. Label the dot "loading dye".



2. Why should the agarose gel be left undisturbed while it is solidifying?
3. Why do the gates need to be lowered before you put the gel into the gel box?
4. What is the purpose of adding buffer before removing the comb?
5. When must you consult with others who are using the same power supply? Why is this consultation important?