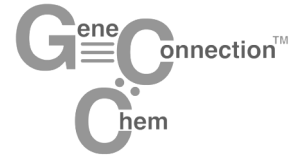
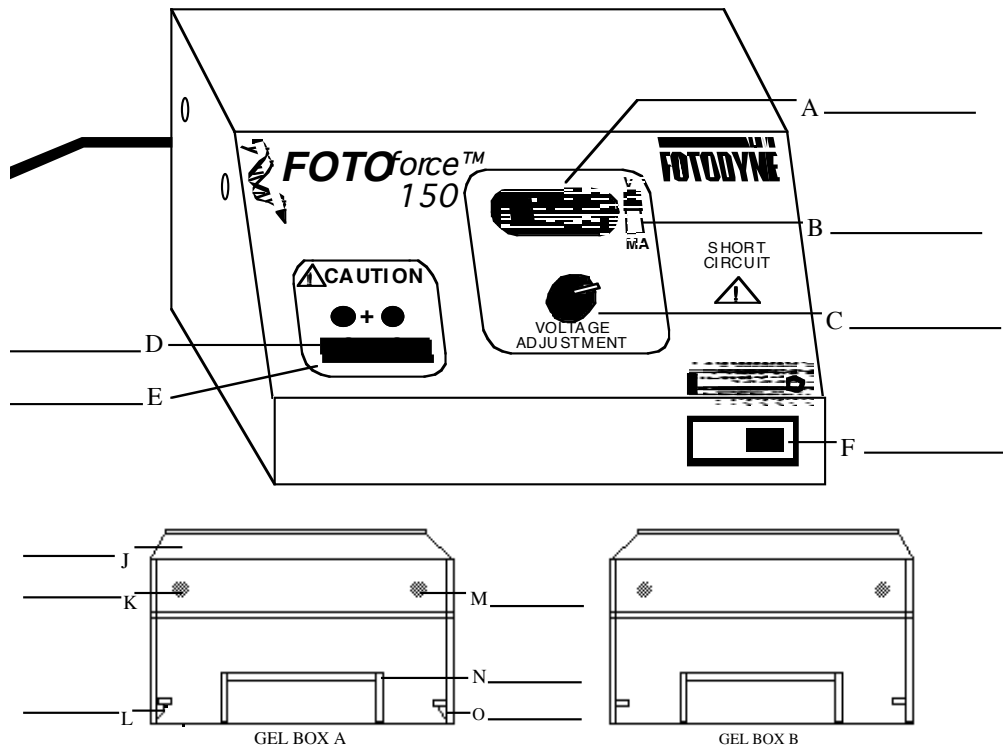


## Lab B: Electrolysis Prelab

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_



- Label the below illustration of the power supply and gel boxes. Don't forget to label the positive and negative connections (D, E, K, and M)
- Draw lines representing electrical leads to show how the gel boxes should be connected to the power supply.



### Items to label:

#### On power supply

digital display  
 on/off switch  
 voltage select dial  
 switch between Volts and milliAmps  
 (-) and (+) channels for one of the gel boxes  
 lo/hi range switch (on Lo 20-160 V; on Hi, 165-300 V)  
 platform for casting tray  
 light indicating "POWER SUPPLY IS ON"  
 light indicating "CHECK FUSE"

#### On each gel box

anode  
 cathode  
 (+) lead  
 (-) lead  
 lid

#### and

red & black wires connecting power supply with each gel box

- Explain in words how you know where to connect the electrical leads (see question # 2):