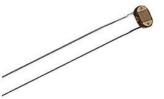
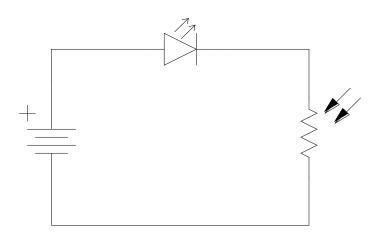
## **Breadboard Lab #3**

## "How a photocell works"

1. Breadboard the following schematic diagram. Make sure your wires are flat! Set the Power Supply to 9 volts.





- 2. Once the circuit is complete and the LED is on, put your hand over the Photocell, see what happens, then answer the following questions. Use the <u>Electronic Components PowerPoint presentation</u> from class to answer to help.
  - a) When you put your hand over the Photocell the LED gets\_\_\_\_\_.
  - b) The more light that strikes the Photocell, the \_\_\_\_\_ the LED gets.
  - c) The less light that strikes the Photocell, the \_\_\_\_\_ the LED gets.
  - d) The less light that strikes the Photocell means the resistance of the Photocell \_\_\_\_\_which causes the LED to get \_\_\_\_\_.
  - e) The more light that strikes the Photocell means that the resistance in the circuit which causes the LED to get \_\_\_\_\_\_.