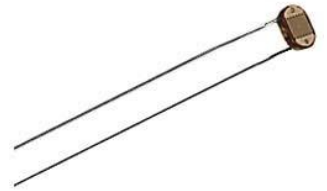
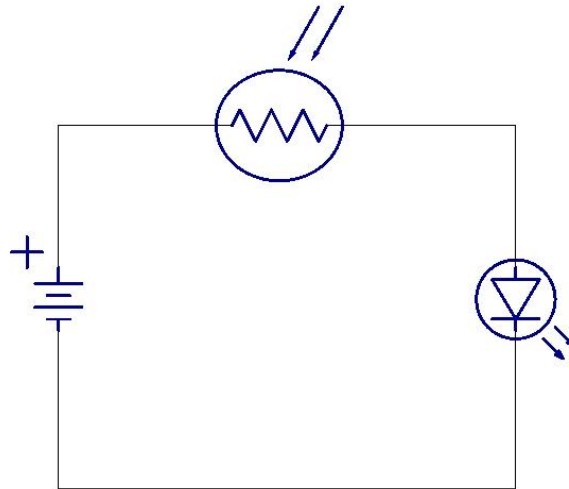


Breadboard Lab #3

“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 [Electronic Components PowerPoint presentation](#) 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 _____.