Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_ Date \_\_\_/\_\_\_/\_\_\_

**Sources of Electrical Energy**

**Lab #5 – Generate Electricity with Light**

**Equipment and Materials**

* Photocell of solar cell

**Note:** A photographer’s light meter can be substituted.

* Galvanometer or voltmeter and connecting wire
* Flashlight or other light source
* Piece of black cloth

**Procedure**

1. Locate the output connections on the photocell.
2. Connect the photocell to the galvanometer.
3. Cover the photocell with the black cloth and observe the meter.
4. Uncover the photocell and observe the meter (room light).
5. Shine the flashlight directly into the photocell and observe the meter.