

Procedure #2

Now you have some ideas about indicators and sources of energy that caused the radiometer to turn, you will test your ideas. You will begin to predict what will happen in various situations. Record your predictions and observations in the **SECOND** part of the table.

Procedure:

- 1) Make predictions for **ALL THREE** conditions (or situations) **FIRST!!!**
- 2) Then actually test the procedure for each condition starting with flashlight close for one minute while recording your observations. Then repeat the steps for each condition.



Analyze Your Data

(answer the following questions in your NB or on your lab sheet)

- 1) What do you think is the source of energy for the motion of the flags in the radiometer?
- 2) Why do you think the radiometer reacts differently to a flashlight that is close to it than a flashlight that is farther away?
- 3) Now think about the flashlight. What indicators do you have that energy is being transformed when the flashlight is turned on? What form of energy is being transformed to what other form of energy?