**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 4: Run your experiment (20 points of Weekly check-ins)**

Gather equipment and materials and proceed as you've planned in the methods section of your outline. Keep very good records of ***exactly***what you do so that you, or someone else, could repeat your experiments again. Keep your raw data in a notebook that will be displayed in front of your showboard. Take pictures of you actually doing the experiment so that you can display those on your showboard as well to make your presentation more personal.

As you collect the data, analyze it and see if is reasonable and provides an answer for your original question. Remember, this isn't necessarily the same as confirming your hypothesis—it could be that your original predictions are false! It is important to analyze your data *as* ***you go****,* to ensure that your experiment appears to be functioning properly. Based on your data, you may find that you need to modify your experimental plan. You may need to tweak the procedure of the existing experiment, or even design a new one. If you do make changes, make sure to modify your project outline, too, and think through all the outline sections again, given your new findings.

**April 20th (5pts)**

**April 27th (5pts)**

**May 4th (5pts)**

**May 11th (5pts)**