***Experimental design sheet Researchers:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

**1. Problem/Question:**

**2. Observations/Research:**

**Title:**

The effect of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (the manipulated variable)

On \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(the responding variable)

**3. Hypothesis:**

If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(planned change in the manipulated variable)

Then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(predicted change in the responding variable)

**Variables:**

Manipulated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (the thing you are going to change)

Responding \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (the thing that will change as a result of being manipulated)

Controlled \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (some things you will keep the same)

Experimental control \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( the experiment you will compare the other experiments to)

**4. The Experiment:**

Experimental Control condition \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manipulated condition #1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Manipulated condition #2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (you may have many more values)

**Trials:** \_\_\_\_\_\_\_\_\_\_\_\_

**5. Your Data:**

How will you collect and present your data: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6. Conclusion: Bullet some of the things you will need to discuss**