Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Experimental Design**

1. What do you think went wrong with the initial lemon seed experiment? Give specific examples.
2. Did your seeds germinate? If not, what would you do differently?
3. Why do you think your germinated seeds never sprouted?
4. What would you do differently in the next round of experiments?

New Experiment

1. You need to RESEARCH. What main topics will you be researching. List 5 credible sources below.
2. What is your QUESTION/problem? Is it testable?
3. What is your INDEPENDENT VARIABLE?
4. What is your DEPENDENT VARIABLE?
5. What will be your STANDARDIZED VARIABLES of controls?
6. What will be your HYPOTHESIS? (If, then, because format)
7. What will be your CONTROL?
8. Is your experiment replicable?
9. Do you have an adequate sample size?
10. How often will you be monitoring/measuring your plants?