Scientific investigation and data analysis practice exercise answer sheet:

Exercise #1

1. What is the question being studied?

2. What is your hypothesis?

3. Did you reject or accept your hypothesis? Why (state specific quantitative(#) data)

4. If you rejected your hypothesis, what is your new hypothesis?

5. How many times did you repeat the experiment until you were satisfied your hypothesis was valid?

6. What is the question being studied?

7. What is your hypothesis?

8. How did you come to the above hypothesis?

9. Did you reject or accept your hypothesis? Why (state specific quantitative(#) data)

10. If you rejected your hypothesis, what is your new hypothesis?

11. How many times did you repeat the experiment until you were satisfied your hypothesis was valid?
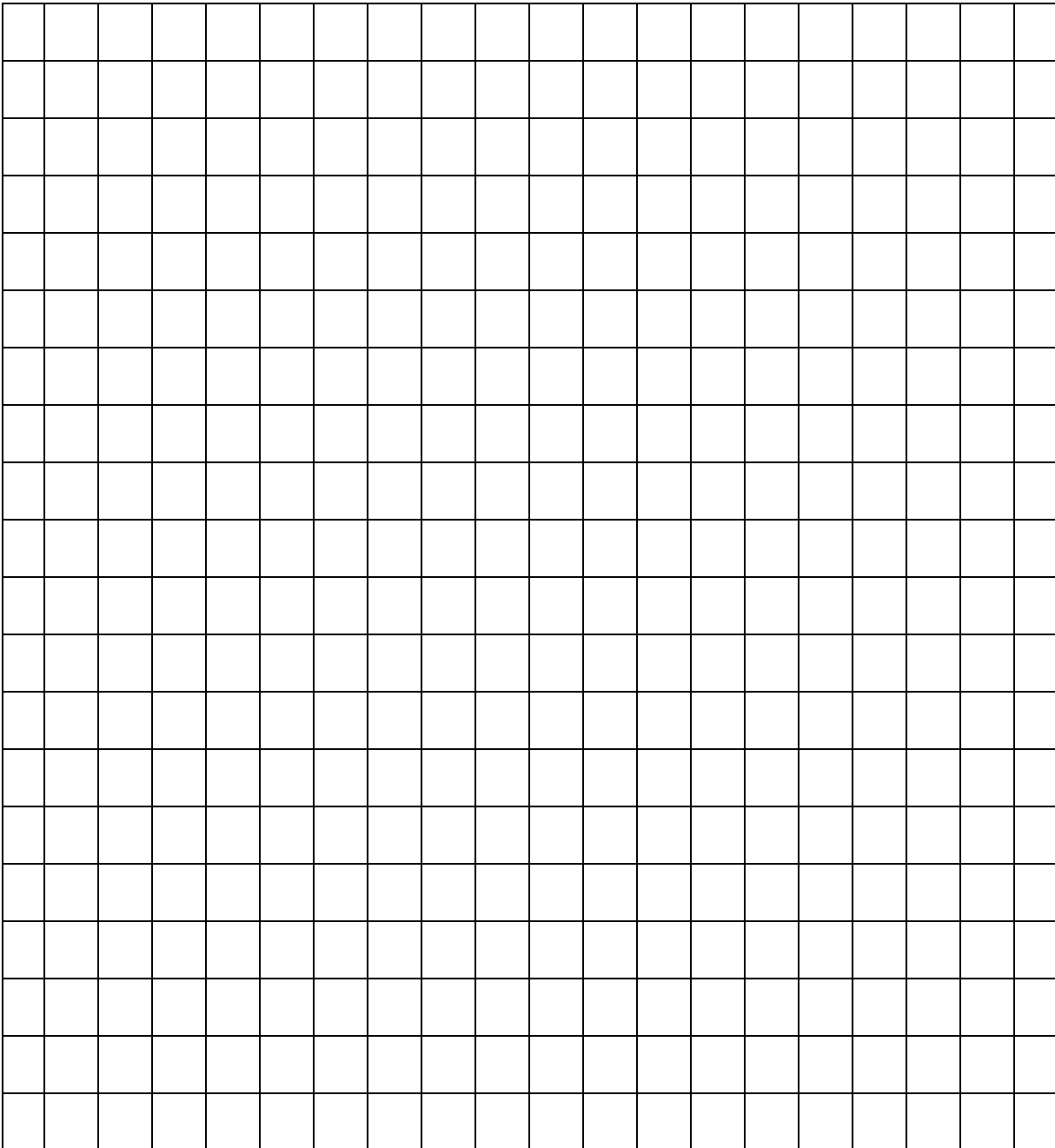
Exercise #2

1. Question:

2. Hypothesis:

3. Variables:
   a. Independent variable

   b. Dependent variable

   c. at least 2 or 3 constants

   d. control (if applicable)

4. Procedures:

Exercise #3

Data table:

Graph:

Summary:_____
_____
_____
_____
_____
_____
_____
_____