Scientific method Notes

1. Problem/Observation: Something that can be investigated and tested.

**Example:** Cancer, a reaction, or anything that can be explained.

1. Hypothesis: Educated statement. No longer a question!! Will be an answer to a question in the form of “If we/I do … then \_\_\_\_\_\_\_\_\_\_ will happen”

**Example #1:** If soil temperatures rise, then plant growth will increase.

**Example #2:** If I curse at my mom, then I will get grounded for being disrespectful

1. Experiment/Test/Investigate: Develop an experiment and follow a procedure. Include a detailed materials list.

**Example:** Step 1: Call my mom into my room, Step 2: Tell my mom something that might upset her like “I punched a kid at school because I felt like it and got suspended” Step #3: Let my mom yell at me and hear her be upset, wait and see if I get grounded.

1. Results: Collect data, pictures, graphs, calculations, and tables that show what happened during the experiment. Was the hypothesis correct or incorrect? Change hypothesis if it was incorrect.
2. Conclusion: How can this experiment be used? What did it tell you? What did the experiment show? Explain how this experiment can be used and why it is important.