

Keeping a Science Notebook Following a Scientific Method (MS)²TC/ Physical Science 6

Title: Write the name of the lab experiment; the title should describe what you will do in the experiment.

Stated Problem/Challenge Question: What are you looking for? Write about what you are trying to find in the form of a question.

Background: Summarize what you know about the topic already or from assigned reading and class notes, or from your independent reading.

Hypothesis: Educated guess as to what the outcome might be to the stated problem/challenge question.

Vocabulary: A list of words related to the topic of the experiment. You will need to define the words.

Materials: A list of items needed to complete the experiment. *Table captains are responsible for getting and returning materials for group.*

Procedure: A list of steps that will help you to do the experiment. Sometimes you will have to create your own procedures to follow. Other times, the procedures are written for you to follow in order.

Data/Observations: What did you observe or measure?

Record observations and measurements. Always leave space for data, drawings, charts, or graphs.

Analysis: What did you find out? Examine your data; what does your data (or observations) tell/show you about your experiment or topic?

Conclusion: Explain what you learned about the topic using the data/evidence from your experiment. Was your hypothesis correct? Why or why not? Use your data/observations to support your hypothesis or to develop a different hypothesis.