

Introduction to Science

1. What are the 7 steps to science inquiry or the scientific method?
2. In a cause and effect question, what is the independent variable and dependent variable referring to? Provide 1 example.
3. What are control variables?
4. What is a hypothesis? How are the experiment and the hypothesis related? Provide an example of a hypothesis.
5. What are some questions to think about when developing a procedure?
6. Why is it important that your record-keeping be organized and neat?
7. Observations should be accurate and objective. They can qualitative or quantitative. What do these terms mean?
8. When making a graph which variable goes on the x-axis? How does a graph help in analyzing and interpreting the data? What is a trendline?
9. List three examples of common sources of error. (measuring, design)
10. Explain why the conclusion of an experiment is not always the last step in the scientific process.

Safety

1. Using **Quizlet** know the names and safety symbols for WHMIS – older (should be a review)
2. Using **Quizlet** know the names and safety symbols for the new WHMIS names and symbols.
3. Using the **internet** describe the information associated with a SDS (safety data sheet). They used to be called MSDS – Material Safety Data Sheets