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| Lesson 2 | Resource 2M | Short Reading (page 1) |
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Time: 5 minutes 30 seconds

To successfully complete this course, you will need to conduct experiments and document your findings in lab reports. Reports are due on the first Tuesday of each week and must be electronically submitted to your professor by 3 pm.

Each report should have the following sections:

- **Title:** Be descriptive and identify the topic.
- **Introduction:** Provide a brief background on the topic, what is known about the topic (do your research!), and what you are trying to discover. You must also include a hypothesis, which is a statement indicating what you think will happen in your experiment.
- **Materials:** Indicate the equipment and supplies used.
- **Method:** Explain (in past tense) the procedures you used to conduct your experiment. Include what data was collected and how it was collected. Exclude extraneous information, such as the number of times you washed your hands, or details about how you used a piece of equipment.
- **Results:** Present your data in tables and charts. Use the American Chemical Society Style Guide to format your tables.
- **Discussion:** Explain your results. Indicate whether or not your results supported your hypothesis and why. Identify any findings you did not expect and explain why you think they occurred. Your explanation may include an evaluation of your understanding of the topic, or an assessment of the data or how it was collected.
- **Conclusion:** Summarize your experiment. Identify what you wanted to demonstrate with your experiment and what your hypothesis was. State whether or not you met your expectations, and if applicable, propose a revised hypothesis.
- **References:** Include the sources of your information, particularly from the introduction and discussion. You may have cited a source in your methods section, but it would be uncommon to find sources in your results.
- **Appendix:** Include additional materials or formulas in an appendix at the end of your report.

- What is true of lab reports for this class?
 - ☐ They have an open format.
 - ☐ They should be physically handed in.
 - ☐ They follow APA citation style.
 - ☐ They require reading about the topic.
- You would NOT expect to see citations in the _____ section.
 - ☐ introduction
 - ☐ methods
 - ☐ discussion
 - ☐ results
- Click and drag to match the terms with the appropriate section headings.*

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| State your hypothesis. |
| Talk about how information was gathered. |
| Clearly show the observed data. |
| Specify what was used in your experiment. |

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| Materials |
| Results |
| Introduction |
| Method |

*In this paper version of the test, draw lines to match the terms with the section headings.