Points to Remember:

- 1. Writing should be in your own words. If you use a quotation from a source, it must be in quotation marks and source should be cited.
- 2. Citation format should be detailed by the instructor. Most citations follow those of a major scientific journal (*Nature or Science*). Many use APA, such as:
 - a. Mengel, M. & Levermann, A. Ice plug prevents irreversible discharge from East Antarctica. *Nature Clim. Chang.* **4**, 451–455 (2014).
- 3. Do NOT use the phrase *I think* or *I believe*. This is a scientific paper; your beliefs do not affect your results.
- 4. At this time active voice is preferred in most scientific fields, even when it necessitates the use of "I" or "we." It's perfectly reasonable to say "We performed an electrocardiogram" rather than to say "an electrocardiogram was performed," or "in this paper we present results" rather than "results are presented in this paper." Almost every current edition of scientific style guides recommends the active voice; however, if you are unsure, check with the instructor who will review your paper to see whether or not they prefer the passive voice.

Document Format:

Introduction – funnel format (general to specific)		
	Start with a generalized sentence about the topic and add details as you continue.	
	Background information should include an overview of the topic in your own	
	words.	
	State the purpose of the experiment. The purpose will depend on the experiment	
	being done. For example, in Bio 150, each lab has a list of objectives on the first	
	page. This can be condensed into a purpose statement.	
	The last sentences of the introduction should be your hypothesis and <i>Ifthen</i>	
	statement	
Materials and Methods		
	You must include enough detail to allow another scientist to repeat your	
	experiment.	
	Briefly describe how the equipment and materials were used to conduct the	
	experiment.	
	Make sure you include times if you are waiting for things such as checking	
	weights or taking data every few minutes.	
Results	S	

	Write a brief summary of your results in paragraph form. Reference your data
	tables and graphs.
	Data tables should be numbered and include a title.
	Graphs should include a title and axes should be labeled appropriately. Include
	units of measurement on axes as well.
☐ Concl	usion
	Interpret your results and offer conclusions
	Support or reject your hypothesis.
	☐ What do the results mean? Do they support or reject your hypothesis?
	☐ Cite your data (tables and graphs) to determine the support or rejection of
	your hypothesis.
	Explanation
	☐ Explain why you think you got the results you did. If your results failed
	to support your hypothesis, explain why you think this occurred. (Be sure
	to report data exactly, it's ok if you reject your hypothesis!)
	Conclusion
	☐ Explain what you learned by performing the experiment. Discuss whether
	your results are consistent with scientific knowledge about this topic. If
	your hypothesis was not supported, can you suggest an alternative
	hypothesis as well as changes to the experiment.