**Study Guide**

**Biology**

**Chapter 1: The Science of Biology**

**Point Value:** 100 points (assessments)

**Test Date:** 3rd Period (Tuesday 9/13/16)

 5th Period (Wednesday 9/14/16)

* Objectives
	+ Identify and apply lab safety rules and procedures
	+ Summarize, use, and apply the steps used in scientific methodology.
	+ Design a controlled experiment to answer a scientific question.
	+ Differentiate between independent variables, dependent variables, control, and experimental groups.
	+ List experimental controls for an experiment
	+ Differentiate between qualitative and quantitative data.
	+ Make metric measurements reflective of the precision of the measurement tool.
* **Vocabulary**
	+ Scientific method
	+ Observation
	+ Hypothesis
	+ Controlled experiment
	+ Control group
	+ Experimental Group
	+ Variables
		- Independent variable
		- Dependent variable
	+ Conclusion
	+ Data
		- Qualitative data
		- Quantitative data