**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