AP Statistics – Chapter 2 Study Guide

* Distinguish between an observation and an experiment
* Know when it is appropriate to generalize from the sample to the population
* Know when it is reasonable to draw cause-and-effect conclusions
* Explain the different types of bias
* Know the 5 types of sampling, advantages and disadvantages of each
* Identify the experimental units, explanatory variables, treatments, and response variables
* Describe the placebo effect
* Explain blinding and double-blinding
* Explain why randomization is important in experimental design
* Understand how blocking, direct control, and replication are used in experimental design
* Understand why a placebo group or a control group might be used