AP Statistics - Chapter 2 Learning Targets

I understand the difference between an observation and an experiment.

I can determine possible confounding variables in observational studies.

I understand that cause-and-effect can only be determined from a well-designed experiment.

I can determine the type of bias present in a sampling situation.

I can define simple random sample.

I can describe the four other sampling methods.

I can determine the different parts of an experimental design including the explanatory variable, the response variable and experimental units.

I can list possible extraneous factors in an experiment.

I can explain how the four fundamental design principles, randomization, blocking, direct control, and replication are used in the experimental design.

I can explain the terms: control group, placebo, single-blind and double-blind.