

# SCIENTIFIC METHOD TEST: Thursday, September 7, 2017

## Study the ORDER of the Scientific Method

### Observations vs. Inferences

- Identify and write each
- Qualitative AND Quantitative Observations

### Hypothesis

- Writing an "IF...THEN" Hypothesis

### Conducting a Controlled Experiment

- Identifying variables (independent vs. dependent, what is the control?)
- Listing constants
- Creating a procedure for a controlled experiment
- Analyzing data (graphs, charts, tables)
- Identifying errors



### Sample Size/Number of Trials

- What is it?
- How does increasing the sample size affect the accuracy of an experiment?
- How is the percent error affected by sample size?

### Bias: Sampling vs. Measurement

- What does each type mean?
- Identifying each type in a source (examples)

### Making Conclusions

- "My results support OR do not support my hypothesis because...."

