

## Process of science “cheat sheet”

1. Observations
2. Question
3. Hypothesis
4. Predictions
5. Experimental test

*Adequate replication lends  
credibility to your experiment.*

### Elements of an experiment

Independent variable: the factor that YOU change or manipulate

e.g. in the Goldberger experiment: \_\_\_\_\_

Dependent variable: what you measure

e.g. in the Goldberger experiment: \_\_\_\_\_

Control: basis for comparison

e.g. in the Goldberger experiment: \_\_\_\_\_

Standardized variables: any factors held constant because they might affect dep. var.

e.g. in the Goldberger experiment: \_\_\_\_\_