

# The Scientific Method

## Observation

Made at every step of your experiment

### 1. Problem

Question you want to answer



### 2. Literature

Existing theory and research on your topic



### 3. Hypothesis

Best guess or prediction



### 4. Experiment Design

Independent and dependent variables  
Control and experimental groups



### 5. Collect Data

Materials

Steps to do it (procedure)



### 6. Analyze Data

What you observed

-tables

-graphs

-charts

-diagrams

