

# Experimental Questions

1. What are the two variables in an experimental question?
  - a. Standard and Supreme
  - b. Dependent and Independent
  - c. Large and Small
2. What is the first question that should be asked when doing an experiment?
  - a. What the Phenomenon is that you are trying to understand
  - b. What caused the action
  - c. How you can make it better
3. What guides the experiment?
  - a. Variables and Experience
  - b. Independent and Dependent variables
  - c. Experimental Question & Hypothesis
4. What is a Hypothesis?
  - a. A question and answer
  - b. A prediction and an explanation
  - c. A past experience
5. What does the Hypothesis lead to?
  - a. Questions
  - b. Cause and Effect
  - c. Evidence
6. What are experiments used for?
  - a. To study cause and effect relationships
  - b. To gain knowledge
  - c. To learn how to teach others
7. What is Internal Validity?
  - a. Explaining the process
  - b. How strongly you can demonstrate causation and that only the manipulation explains the outcome
  - c. Understanding the process
8. What is External Validity?
  - a. Explaining the experimental process to another person
  - b. Gathering evidence to explain the hypothesis
  - c. How confidently you can generalize your findings, represent study subjects and determine if your study environment is similar to real-life context