

Name: _____

Date: _____

Study Guide for Parts of an Experiment Assessment.

Essential Questions:

What does good science look like?
What are the parts found in an experiment?
What are the parts found in a system?
Why is systems thinking important?

Content:

1. Understand the vocabulary that has to do with experiments

[Linked Here](#)

[Review Guide](#) created out of the provided scenarios/ demonstrations.

Vocabulary:

- question or problem stated
- hypothesis
- constant
- control
- independent variable
- dependant variable
- experiment
- procedure
- conclusion
- data
- systems
- subsystems
- inputs
- outputs
- flows of energy and matter
- storages
- boundaries

Resources to review:

- “Life Saver” & “Variables & Controls” articles
- Experiments #1-5 (check-ins/ warm ups)
- Parts of an Experiment note sheet
- In-class demonstrations & labs (Cubelets, Paperclip Lab, Helicopter Lab, Mythbusters Diet Coke and Mentos)