

Tuesday
8.21.18

Today you will...

- Will it Blend?
- Write a formal lab report (summative grade)

Mythbusters Experiment

Independent and Dependent Variable -

<https://www.youtube.com/watch?v=nqj0rJEf3Ew>

Controlled Experiment -

<https://www.youtube.com/watch?v=D3ZB2RTyIR4>

◆ Make sure your PHONES are in your bags unless given permission to have them out!

Experimental Design



Hypothesis – Testable idea or explanation that leads to scientific investigation.

All experimental designs must (should) have an independent variable, a dependent variable, and a control group.

Independent variable – Factor manipulated in an experiment. The “if” part of the hypothesis.

Dependent variable – Factor that changes because of the independent variable. The “then” part of the hypothesis.

Control group – Test group not subjected to the independent variable. “Normal conditions”

Add to the bottom of pg 9



CONCLUSION:

- Do all three parts as listed in your "How to Write a Lab Report". Be sure to refer to your data numbers when you talk about the purpose or hypothesis of this lab. Error analysis aren't your mistakes, but are there inherent problems with the way the lab is set up that could result in different conclusions.

- Accept or regret your hypothesis & explain why using data
- Discuss possible errors
- Discuss how this applies to the real world