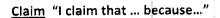
What experimental question is being asked?

- Purpose of why you are doing the experiment stated as a question
- Problem that will be investigated or experimented





Statement or conclusion that answers the question



Experimental Design

Control Variable

- *Variable not changed
- *Held constant
- *Environment in which experiment taking place

Independent Variable

- * Variable set by experimenter
- * Recorded on X axis of graph

Dependent Variable

- * Variable being measured
- * Recorded on Y axis of graph
- * Test only one/experiment

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Evidence to Support Claim

- Measurable information (data) that supports the claim
- Includes experimental data in the form of well-labeled tables, graphs, drawings and other observations
- Evidence must directly apply to the current problem (relevant)
- Evidence should rely on multiple pieces of evidence (sufficient)

Reasoning

- A justification that links the claim to the evidence
- Interpret the evidence using your own thoughts.
- State whether or not the data confirms or rejects your claim.
- 1. Restate Claim- ("I claim thatbecause.....")
- 2. Evidence to Support Claim- Explain why your data and observations counts as evidence to support your claim (Link evidence to claim by describing data in words. ("The data table or graph shows ...")
- 3. Scientific Principals Involved- Use videos, notes, and background information to describe the science behind your argument