

PURPOSE

How does _____
 (Independent Variable: the 1 thing you are changing)
 affect _____
 (Dependent Variable: what you are trying to measure: Data)
 when compared to the _____?
 (Control Group)

HYPOTHESIS

If the _____
 (Independent Variable: the 1 thing you are changing)
 affects the _____
 (Dependent Variable: what you are trying to measure: Data)
 then _____ will
 (choose 1 of the items you changed (not the control))
 _____, compared to the
 (example: travel the slowest, dissolve the fastest)
 _____, because _____
 (Control Group)

VARIABLES

Control Group: _____
 (Part of the experiment that your results will be compared to)
 Control Group Criteria: _____
 (How did you decide on your control group?)
 Independent: _____
 (The 1 thing that was changed)
 Dependent: _____
 (What is being measured.)
 Constant: _____

 (List everything that stayed the same: look at the material list)

SAFETY CONCERNS

 (List everything that could cause harm)

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SCIENCE FAIR BOARD

(TITLE)

PROCEDURE

1. Gather supplies _____
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____
- Repeat steps ____ through ____ for Trial 2 and Trial 3.
 Repeat steps ____ through ____ for _____ and _____.
 (item 2) (item 3)
 Repeat steps ____ through ____ for _____.
 (Control Group)

DATA

Independent Variable ↓	Trial 1 Unit of Measure	Trial 2 Unit of Measure	Trial 3 Unit of Measure	Average Add Trial 1+2+3 Divide by 3
Item 1: _____				
Item 2: _____				
Item 3: _____				
Control Group: _____				

Dependent Variable

MATERIAL

(Use exact measurements – how much of each item? Use metric when possible.)

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

CONCLUSION

My hypothesis was _____, because _____
 (incorrect/correct)

On average I found _____

(Use the average from the data chart to explain)

In my research, I found out _____

(Explain the research you found out about your independent variable and control group)

By knowing this information, I now know _____

(Explain why the research affected the results of your experiment)

In my next experiment I would like to _____

(What would you like to change in your experiment for next year?)