

EXPERIMENT REPORT
(Long Form)

Name _____
Block _____

PROBLEM: The Effect of _____ on _____.
(State the I.V.) (State the D.V.)

HYPOTHESIS: If I _____ the _____,
(increase, decrease, or change) (State the I.V.)
then the _____ will _____.
(State the D.V.) (increase, decrease, stay the same, or change)

EXPERIMENTAL DESIGN:

Independent Variable (Must be quantified): _____

Levels	
Trials	

Dependent Variable: (Must be quantified) _____

Control: _____

Constant Variables: (1) _____
(all must have numbers (2) _____
or brand names) (3) _____
(4) _____

MATERIALS LIST: (Be descriptive: such as, 500 mL Pyrex beaker)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Graph:

_____ vs. _____



RESULTS SENTENCE: _____

(State the actual results! As I.V. increases, the I.V. _____.)

SUMMARY PARAGRAPH:

The effect of _____ on _____ is
(Independent Variable) (Dependent Variable)

summarized in the table and graph. The _____ of
(mean, mode , or median)

the _____ is _____ .
(Independent Variable) (State mean of I.V.)

The _____ of the _____
(mean, mode , or median) (Dependent Variable)

is _____ .
(State mean of D.V.)

(Write a sentence comparing /contrasting the means.)

The _____ of the _____ is _____.
(Range/Standard Deviation) (Independent Variable)

The _____ of the _____ is _____.
(Range/Standard Deviation) (Dependent Variable)

(Write a sentence comparing/contrasting the standard deviations.)

The data _____ the hypothesis that stated
(supports, doesn't support, partially supports)

(Restate the complete hypothesis.)

CONCLUSION PARAGRAPH:

The purpose of this experiment was to investigate the _____
(restate title of experiment)

From the data we collected, our major finding was _____
(state how the I.V. affected the D.V.)

We did **not** expect _____ to occur.
(insert anomaly)

A possible explanation for this anomaly is _____.

Otherwise, an explanation of our major finding is _____
_____.

So our hypothesis was _____.
(supported, not supported, partially supported)

A suggestion for improving this experiment is _____
_____.

A suggestion for a related experiment is _____
_____.