

NAME: _____ DATE: _____ CLASS: _____

PROBLEM:

WHAT DO YOU WANT TO
FIND OUT?

RESEARCH:

WHAT DO YOU ALREADY
KNOW? RESEARCH THE
QUESTION.

HYPOTHESIS:

IF _____ THEN _____
BECAUSE _____.

VARIABLES & CONTROLS:

DEPENDENT VARIABLE

THE VARIABLE THAT A SCIENTIST MEASURES IN THE EXPERIMENT

INDEPENDENT VARIABLE

THE VARIABLE THAT WILL CHANGE IN THE EXPERIMENT

SET-UP CONDITIONS (CONTROLLED VARIABLES)

THE CONDITIONS OF THE EXPERIMENT THAT SHOULD BE KEPT CONSTANT, OR THE SAME,
SO THE TEST IS FAIR.

PROCEDURE:

MATERIALS:

CHOOSE THE BEST TOOL FOR YOUR MEASUREMENTS

MEASUREMENT
EXAMPLE: LENGTH

INSTRUMENT/TOOL
EXAMPLE: RULER

UNITS
EXAMPLE: METERS

DATA COLLECT INFORMATION FROM THE EXPERIMENT

RESULTS

PERFORM CALCULATIONS AND/OR DRAW A GRAPH

CONCLUSIONS: WHAT HAPPENED?

WAS YOUR HYPOTHESIS CORRECT? HOW DO YOU KNOW?

RUBRIC:

PROBLEM 12

HYPOTHESIS _____12

VARIABLES & CONTROLS 12

PROCEDURE 14

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CONCLUSION 13

NEATNESS & ORGANIZATION **/1**

TOTAL POINTS **120**

DATA

COLLECT INFORMATION FROM THE EXPERIMENT

RESULTS

PERFORM CALCULATIONS AND/OR DRAW A GRAPH

CONCLUSIONS:

WHAT HAPPENED?

WAS YOUR HYPOTHESIS CORRECT? HOW DO YOU KNOW?

RUBRIC:

PROBLEM

12

HYPOTHESIS

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VARIABLES & CONTROLS

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PROCEDURE

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RESULTS

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CONCLUSION

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NEATNESS & ORGANIZATION

11

TOTAL POINTS

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