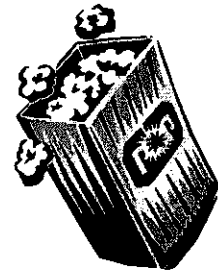


**Physical Science:
Experimental Design**

Name _____
Date _____ Block _____

Experiment 1

Chris and Erin decide to test whether storing popcorn in the freezer causes popcorn to “pop” better than popcorn stored at room temperature.



State a possible hypothesis.

If _____,

then _____.

IV: _____ DV: _____

Control:

Constants:

Experiment 2

Tony and Kyle decide to test two different ink pens to see which one writes for the longer time. What are some important constants to consider?

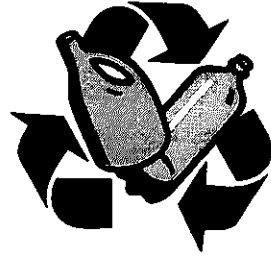


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-
-
-

IV: _____ DV: _____

Experiment 3

A chemist made some observations about a new type of plastic that may be biodegradable in acidic soils.



State a possible hypothesis.

If _____,

then _____.

IV: _____ DV: _____

Control:

Constants:

Experiment 4

Andrea & Tiffany decide to determine whether an object with more mass will fall faster than an object of lesser mass.



State a possible hypothesis.

If _____,

then _____.

IV: _____ DV: _____

Control:

Constants: