

# Experimental Design Sheet

Use this design sheet BEFORE you begin your lab.

## Problem question:

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## Independent Variable:

(what YOU intentionally change and have control of; manipulated variable)

### Identify the control group: \_\_\_\_\_

(if you have one, it's the test that isn't changed and is what you compare all your changes to...the **experimental groups** are the new things you are testing out)

### # of trials for each level: \_\_\_\_\_

(how many times will you test EACH level?)

## Dependent Variable:

(the resulting changes; what you measure/count at the end; responding variable)

## Controlled Variables (Constants):

(what stays the same during your experiment?)

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## Hypothesis:

(this is your educated guess about the relationship between variables in the "If..., then...." format)

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