



Name: _____

Scientific Inquiry Vocabulary - Creating an experiment!

An experiment has many different steps and parts. We will be looking at the parts of an experiment and defining them. Then we will design our own experiment.

Independent Variable (I.V.) _____

Dependent Variable (D.V.) _____

Constant _____

Control _____

Designing our experiment:

Question: _____

What is our dependent variable? _____

What is our independent variable? _____

Is this a control vs. experimental OR a group vs. group experiment?



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If we have one, what is our control? _____

What are some other things that might affect the dependent variable and what are we going to do about them (set levels, keep constant, use equal numbers, etc.)?

What might affect the dependent variable? → *What can we do about it?*

Now that we have thought of some things that might affect the experiment, what are this experiment's constants? _____

Hypothesis: If (I.V.) _____

then (D.V.) _____.

What are our procedures for our experiment? Create a data table to record our data.



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What happened? Do we need to make any changes to our experiment? Write your revised procedure below. You can use the back of this paper if needed.

What happened? When (I.V.) _____
then (D.V.) _____
_____.

Show your results in an organized data table and graph them on a piece of graph paper.

What is the next step in the experiment / what new questions need to be answered?
