Brainstorm

Things I could change or vary:

(Changed/manipulated variables -independent variables)

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| --- |
|  |

Things I can measure or observe:

 (Measured/responding variables –dependent variables)

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|  |

**Choosing variables**

 **I will change ( one changed/manipulated variable):**

|  |
| --- |
|  |

 **Things I can measure or observe:**

**( measured/responding variables -dependent variables)**

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|  |

 **Choosing variables**

 **I will change (one change/manipulated variable):**

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| --- |
|  |

 **I will measure/observe (one measured/responding variable):**

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|  |

 **I will keep the same (controlled variables):**

 **Ask a question**

 **( problem)**

**What is the effect of the**

 **(changed/manipulated variable)**

**On the**

 **(measured/responding variable)**

**OR**

**How does the**

 **(changed/manipulated variable)**

**Affect the**

 **(measured/responding variable)**

 **Prediction**

 **(Hypothesis)**

**As the**

 **(changed/manipulated variable)**

 **increases/decreases (choose one) ,**

**The**

 **(Measured/responding variable)**

**Because**

**(you must support your prediction with a scientific explanation. This is really what is being tested by the experiment.)**

 **Procedure**

**Drawing of experiment set up.**

**List of materials used.**

**Step by step procedure.**

 **List the steps of the procedure you followed.**

**Describe how you setup your controlled variables.**

**Describe exactly what, how and when you recorded results**

 **Table of results**

 **(raw data)**

**Manipulated**

**Variable**

 **Measured/responding variable**

 **RV Title**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MV title** | **Trial 1** |  **Trial 2** | **Trial 3** | **Average** |
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 **Graph of results**

**Y (Title)**

** X**

 **(changed/manipulated variable)**

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