Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Inquiry Lab Form (Water Machine)**

*Question:*

*Independent Variable:*

*Dependent Variable:*

*Constants:*

**Data Tables:**

**A**

|  |  |  |
| --- | --- | --- |
| Water In | Water Out | Observations |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**B**

|  |  |  |
| --- | --- | --- |
| Water In | Water Out | Observations |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**C**

|  |  |  |
| --- | --- | --- |
| Water In | Water Out | Observations |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Hypothesis / Model / Drawing

**Experimental Design:**

For today’s demonstration, please write at least 5 “yes” or “no” questions that would help you know if your hypothesis is correct:

1.

2.

3.

4.

5.

**Revise the hypothesis:**

Based on the information from your questions above, how would you change the model you drew earlier (if there is no change draw a more detailed version of your model):

**Explanation / Conclusions**

Choose one part of your model that you think is correct and explain it.

Claim: (a statement you think is true)

Evidence: (give proof for your claim from your data)

Reasoning: (explain WHY you think your claim is true based on scientific knowledge)