Balloon and Vinegar Experiment- Observation Data Sheet

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| **Making an Observation** *Draw the Bottle* ***Before:*** |
| **Step 1: Ask a Question***HOW DOES the amount of baking soda AFFECT how big the balloon gets (in width)?****IV:******DV:******STEP 2: Gather INFORMATION:*** *What do we know about chemical reactions?* |
| **Step 3: Make a Hypothesis***Draw a picture of what you think will happen:**Write:*I think *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.* |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Step 4: Experiment!****IV:****DV:****CONTROL VARIABLES:****CONTROL GROUP:****EXPERIMENTAL GROUP(S):***Draw the Bottle* ***After****:*

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|  | TRIAL 1 | TRIAL 2 | TRIAL 3 |
| Bottle 1(No Baking Soda) |  |  |  |
| Bottle 2(1 TBS Baking Soda) |  |  |  |
| Bottle 3(2 TBS Baking Soda) |  |  |  |

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| **Step 5: Conclusion***Write a Sentence:*When I added vinegar to the bottle and put the balloon on top…\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.I (SUPPORT/REJECT) MY HYPOTHESIS (circle ONE) BECAUSE….\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

Happy Experimenting!