|  |  |
| --- | --- |
| **Grams Baking Soda Used** | **Grams Vinegar Used** |
|  |  |
| **Theoretical yield of Sodium Acetate (grams) – *show your stoichiometry! Use the mass of BAKING SODA as your starting/known value (make baking soda A)*** |
|  |
| **Theoretical yield of Water (grams) – *show your stoichiometry!*** ***Use the mass of BAKING SODA as your starting/known value (make baking soda A)*** |
|  |
| **Theoretical yield of Carbon Dioxide (grams) – *show your stoichiometry!******Use the mass of BAKING SODA as your starting/known value (make baking soda A)*** |
|  |
| **Mass of Beaker + Reactants** | **Mass of Beaker AFTER reaction** | **Mass of Carbon Dioxide produced** |
|  |  |  |
| **Percent Yield – *show your equation AND calculation!*** |
|  |
| **Moles of Carbon Dioxide produced – *show your dimensional analysis!*** |
|  |
| **Molecules of Carbon Dioxide produced – *show your dimensional analysis!*** |
|  |
| **Written summary of how you determined how much Carbon Dioxide you produced. Full sentences!** |
|  |
| **Was your Percent Yield of Carbon Dioxide too high or too low? Why????** |
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