|  |  |  |  |
| --- | --- | --- | --- |
| **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????** | | | |
|  | | | |