

NAME:

[illegible]

Calculations and Conclusions (IN NOTEBOOK)

Show all the calculations used to experimentally determine the percent of both sodium carbonate and sodium percarbonate in the stain remover (see organizational steps below). Explain/annotate each calculation (how does it help you get to the percent composition of each component?).

1) Mass of hydrogen peroxide present in the initial sample.

2) Mass of sodium percarbonate present in the initial sample.

3) Mass of pure sodium carbonate present in the initial sample (excluding sodium percarbonate contribution).

4) Percentages of sodium carbonate and sodium percarbonate initially in Oxi-Clean.

Error Analysis

Use step-by-step / cause and effect analysis of the following error to explain how it would affect the experimental result:

If some impurity thermally decomposed in addition to hydrogen peroxide, how would the percent composition of sodium carbonate be affected?

Your lab report should be completed in the lab notebook and submitted by the end of the lab period.