

Experiment 7 Worksheet: Plop, Plop, Fizz, Fizz?

Purpose: *(A statement should be made here regarding what your experiment is designed to accomplish.)*

Procedure: *(Describe here how you went about completing your experiment. Use enough detail that someone could repeat it, if necessary. Also reference any books or manuals you may have used to assist you.)*

Data:

Describe the appearance of the two antacid tablets.

(Complete the Table using experimental results)

Antacid	HCl Added (mL)	NaOH added by titration (mL)	HCl neutralized by NaOH (mL)	HCl neutralized by antacid (mL)
Tums				
Alka-Seltzer				

Calculations:

How did you calculate how many mL of HCl were neutralized by the antacid tablets? Show a sample calculation:

How many moles of acid total were added to each antacid?

Tums:

Alka-Seltzer:

How many moles of acid did each antacid neutralize?

Tums:

Alka-Seltzer:

What is the mole percentage of acid neutralized by each antacid?

Tums:

Alka-Seltzer:

Based on the mole percentages which antacid is capable of neutralizing the most acid? _____

Conclusions: (*Summarize your results here and discuss possible errors that may have occurred during the testing.*)
