



Name(s)	Project Number		
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	51417		
Project Title The Effects of Liquid Antacids on Stomach Acid Abstract			
		The objective was to determine if extra strength antacids neutr strength antacids. I think that the extra strength products will	alize stomach acid faster than regular work better than the regular strength
		Methods/Materials	
Seven antacids were purchased from the store. Muriatic acid w a pH of 2. Seven glass beakers were filled with 20ml of the a placed five drops of one antacid in each separate beaker. I cor until the pH reached 5. I recorded the number of drops require repeated the experiment three times for each antiacid. Results	vas purchased and titrated in water to obtain cid solution. Using an eye-dropper, I ntinued to add antacid one drop at a time ed for each of the separate antacids. I		
The extra strength products did work better than the regular str products required an average of 11 drops to bring the pH to 5. contain the same ingredients in smaller doses - required an aver Some of the products - Alka Seltzer - worked well, requiring of they also contain asprin which is not always necessary.	rength products. The extra strength The regular strength products - which erage of 20 drops to bring the pH to 5. only 15 drops to reach the desired pH but		
Conclusions/Discussion Overall, less of the extra strength products were needed to brir verses 20 drops. The active ingredients in the products are usu higher amounts in the extra strength products. The extra stren you use less. Overall, the extra strengh products did require le	ng the stomach pH to 5. Eleven drops ually the same, they are just present in gth products are also more expensive but ess medicine, but they all did the job.		
Summary Statement			
My project was to determine if there is a difference in regular in controlling sopmach pH.	strength antacid and extra strength antacids		
Help Received			
My mother helped me typed my project. She also helped me t	to handle the acid safely.		