

Antacid Tablet Postlab

Please do not give short (one or two word answers) to the questions.

ALL Answers must be written by hand directly into your lab notebooks.

1. One can often find NaOH substantially cheaper than $\text{Mg}(\text{OH})_2$ or CaCO_3 . If this is the case, why do we find the latter compounds in antacid tablets?
2. Different manufacturers claim to have the best antacid. Which of the following tablets would neutralize the most acid for the money?
 - a. Rolaids (550 mg CaCO_3 and 110 mg $\text{Mg}(\text{OH})_2$ per tablet) – 150 tablets for \$9.44
 - b. Tums (500 mg CaCO_3 per tablet) – 150 tablets for \$5.49
 - c. Phillips (1200 mg $\text{Mg}(\text{OH})_2$ per 15 mL) – 769 mL for \$9.99