

More Exciting Stoichiometry Problems!

Answer the following stoichiometry-related questions:

- 1) Write the balanced equation for the reaction of acetic acid with aluminum hydroxide to form water and aluminum acetate:



- 2) Using the equation from problem #1, determine the mass of aluminum acetate that can be made if I do this reaction with 125 grams of acetic acid and 275 grams of aluminum hydroxide.

- 3) What is the limiting reagent in problem #2?
- 4) How much of the excess reagent will be left over after the reaction is complete?
- 5) If my water is produced as vapor, how many liters of water will be produced at STP?