

MSC 1012 questions for Chapter 12 set 6

Reactions (titration⁽¹⁾):

NAME _____

Calculate the amount of product in each of the following reactions.

- 1) How many grams of CH₃OH and CH₃COOH are needed to yield 75.0g of CH₃COOCH₃ according to the reaction: $\text{CH}_3\text{OH} + \text{CH}_3\text{COOH} \rightarrow \text{CH}_3\text{COOCH}_3 + \text{H}_2\text{O}$

ANS: _____ g of CH₃OH

ANS: _____ g of CH₃COOH

- 2) How many grams of NaOH are needed to reaction completely with 49.0 g of H₂SO₄ according to the reaction: $2\text{NaOH} + \text{H}_2\text{SO}_4 \rightarrow \text{Na}_2\text{SO}_4 + \text{H}_2\text{O}$

ANS: _____ g of NaOH

⁽¹⁾ This is the proper terminology when making a calculation between two or more reactants.