

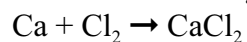
MSC 1012 questions for Chapter 12 set 5

Reactions (limiting reactant⁽¹⁾):

NAME _____

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

- 1) 7.52 g of Ca reacts with 35.0 g of Cl₂ to yield CaCl₂ according to the reaction:



ANS: _____ g of CaCl₂

- 2) 52.0 g of CH₃OH reacts with 75.0 g of CH₃COOH to yield CH₃COOCH₃ according to the reaction: CH₃OH + CH₃COOH → CH₃COOCH₃ + H₂O

ANS: _____ g of CH₃COOCH₃

⁽¹⁾ This is the proper terminology when one of the elements is in excess and is therefore left over.