3.21B

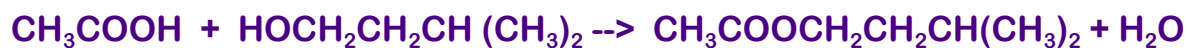**How many grams of isopentyl alcohol are needed to make 433 g isopentyl acetate in the reaction in Exercise 3.21A if the expected yield is 78.5%? Assume the acetic acid is in excess.**

$CH_3COOH + HOCH_2CH_2CH(CH_3)_2 \rightarrow CH_3COOCH_2CH_2CH(CH_3)_2 + H_2O$

Acetic Acid   Isopentyl Alcohol   Isopentyl Acetate