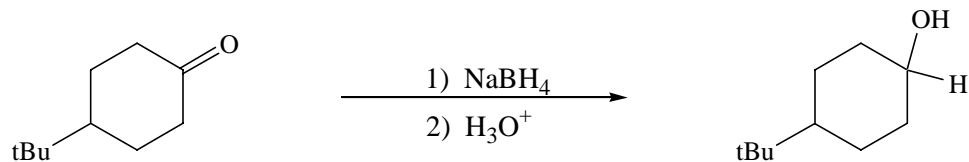


## Reaction Tables Practice Problems

Write a complete reaction table and calculate the theoretical yield for each of the following reactions:

1)

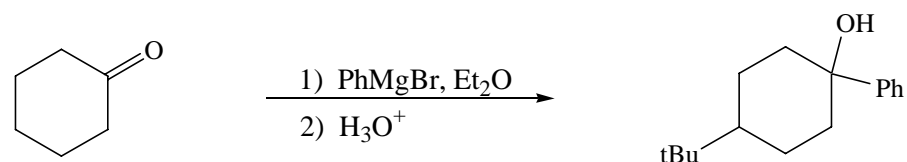


0.80 g 4-t-butylcyclohexanone

0.60 g NaBH<sub>4</sub>

6.0 mL 95% ethanol (solvent)

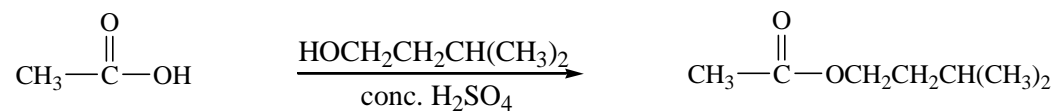
2)



4.1g cyclohexanone

50.0 mL PhMgBr (1.0 M solution in Et<sub>2</sub>O)30 mL Et<sub>2</sub>O

3)



1.6 mL isopentyl alcohol

2.2 mL acetic acid (glacial)

1 drop H<sub>2</sub>SO<sub>4</sub>