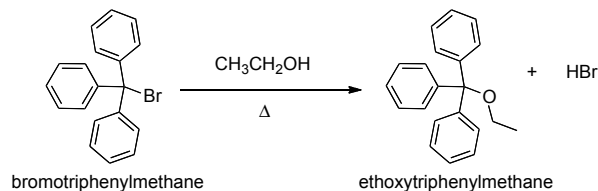


Name: _____ SB#: _____

All work is to be done individually. You can use textbooks, notes, and resources on the internet.

1. What is the theoretical yield of ethoxytriphenylmethane in the reaction shown below if you start with 0.5000 g bromotriphenylmethane? Show work. (This is the reaction for this week's lab.)



2. The reaction this week is carried out in a test tube instead of a more common reaction vessel in organic chemistry, the round-bottomed flask. Whether you use a test tube or a flask, you would be instructed to add a boiling chip to the reaction mixture before you begin to heat the reaction mixture.
- What is a boiling chip?
 - Why would it be necessary to add a boiling chip to a reaction mixture?
 - Why does the procedure call for removing the boiling chip *before* the recrystallization step?