Chemistry 252 Experiment : Grignard (PLKE 31B) Spring 2009

REPORT GUIDE **Report Due:** Monday May18

This will not be a formal report. This report will be done individually.

NAME_____

Results:

Turn in your sample of Benzoic acid. Label it with your name, sample name, mp and weight.

Weight of benzoic acid synthesized _____ % Yield _____

MP of purified benzoic acid _____

Questions

1 Draw a flow chart showing you purified your benzoic acid from the probable impurities (see pg 561 fig 2.1 in PLKE to see an example of how you might do this

2. Give the **mechanism** for the reaction of phenylmagnesium bromide with ethanal, followed by acidification.