

Blank Page

Name _____ Section _____

Alcohols and Phenols

Experiment #3

Data & Report Sheet

Unknown Number _____

Important: Be sure to enter your unknown number. You will not receive credit for lab if you have the same unknown number as another person in this lab section.

Table 1. Solubility Test

Solubility in water

#1	1-butanol	
#2	2-butanol	
#3	t-butyl alcohol (1,1-dimethylethanol)	
#4	glycerol	
#5	unknown # _____	

QUESTIONS

1. Would you predict that methanol, ethanol and propanol are soluble in water? Explain your answer.

Table 2. Chemical Tests of Alcohols

Record your observations, noting any precipitate, cloudiness or color change.

		Lucas Reagent	Bordwell-Wellman Reagent
#1	n-butyl alcohol		
#2	2-butanol		
#3	t-butyl alcohol		
#4	unknown		

