

Laboratory Report

Experiment 9: Carboxylic acids & their derivative

Name:.....

Tube no.	Test	Observation	Conclusion
1	Reaction of Carboxylic Acid and Bicarbonate. Carboxylic acid + 1ml NaHCO ₃		
2	Esterification of Carboxylic Acid 1- 1ml of carboxylic acid (acetic acid)+1ml Ethanol +2drops Conc .H ₂ SO ₄ +Δ 2 -Add to test tube contain 10 ml water +Na ₂ CO ₃		

Q 1) Write the chemical equation of each one of these reactants with bicarbonate.

a) Acetic acid

b) Salicylic acid (2-hydroxybenzoic acid)

Q2) Write the chemical equation of the reaction for esterification reaction and hydrolysis of ester.