

Laboratory Report
Experiment 1: Solubility

Name:.....

Tube no.	Test	Observation	Conclusion
1	Place 1 mL of distilled water in the test tube, add 1 mL of hexane and shake.		
2	Place 1 mL of distilled water in the test tube, add 1 mL of ethanol and shake.		
3	Place 1 mL of distilled water in the test tube, add 1 mL of 1-butanol and shake.		
4	1) Place 1 mL of distilled water in the test tube, add 1 mL of ether and shake. 2) Add one drop of red dye (KMnO ₄) to the ether/water mixture. 3) Add ethanol to the ether-water mixture and shake.		
5	1) Place 1 mL of distilled water in the test tube, add 1 mL of chloroform and shake. 2) Add 1 or 2 drops of azo-dye (methyl red) solution and shake vigorously. 3) Add 0.5 mL of 5% NaOH solution to the mixture and shake vigorously.		