

# Lab 15C: Preparation of a Soap

Name:

Date:

Block:

For Students:	For Teacher:
Lab performed:	Pre-lab completion: <input type="checkbox"/> Yes <input type="checkbox"/> No
Lab due:	Lab Submitted: <input type="checkbox"/> On Time <input type="checkbox"/> Late

## Introduction & Objectives

Saponification is:

### Objectives:

- 1.
- 2.

### Answer the following questions:

1. What are 2 safety concerns for this lab? For each safety concern, describe a way that you will stay safe during this lab
2. How will you dispose of lab materials?



## Part II: Laboratory Tests Procedure

**Table II: Laboratory Tests**

<b>Test</b>	<b>Lard</b>	<b>Lab Soap</b>	<b>Commercial Soap</b>
Apparent solubility in water	Low / High (circle one)	Low / High (circle one)	Low / High (circle one)
Height of suds (cm)			
Neutral litmus paper test	Acid / Neutral / Base (circle one)	Acid / Neutral / Base (circle one)	Acid / Neutral / Base (circle one)

## **Analysis of Results**

*Answer the following in full sentences*

1. Describe the soap you prepared
2. The soap you prepared is likely harsh on the skin. Why?
3. In Part II, what properties of your soap were similar to those of a commercially prepared soap?
4. What are three possible sources of error in this lab? If you list human error, please explain what you will do to reduce/eliminate the error in the next lab

## **Conclusion**

*State the results of Objectives 1 and 2*

1.

2.