

**Name**  
**Date**

**Period**

**Grade:**

# **EXPERIMENT 44**

## **SAPONIFICATION**

### **DATA AND RESULTS:**

**Litmus test:**

**Shaking test:**

### **CONCLUSION QUESTIONS:**

1. What do the processes of saponification and esterification have in common? How do these processes differ?
2. To what class of compounds do fats belong? Soaps?
3. Describe the contents of the test tube after shaking (step 8 ). Did any white precipitation (scum) appear? If so, explain its presence.
4. How are soaps treated commercially before they are marketed?