# **UNIT ONE OBJECTIVES**

METRICS AND BASIC CALCULATIONS

AFTER RECEIVING CLASSROOM INSTRUCTION AND COMPLETING THE WORK IN CLASS, THE STUDENT WILL DEMONSTRATE ON A WRITTEN EXAMINATION AND IN A LABORATORY SITUATION THAT:

1. KNOW THE METRIC UNITS AND THEIR RESPECTIVE VALUES AND PERFORM METRIC CONVERSIONS(TEST).
2. PERFORM SCIENTIFIC CALCUALATIONS USING A CALCULATOR (TEST).
3. USE METRIC UNITS AND VALUES IN TAKING ACCURATE MEASUREMENTS AND BE ABLE TO USE THESE VALUES TO OBTAIN DERIVED UNITS SUCH AS VOLUME AND DENSITY (LAB AND TEST).
4. KNOW THE DIFFERENCES BETWEEN PHYSICAL AND CHEMICAL CHANGES AND MIXTURES VERSUS PURE SUBSTANCES. BE FAMILIAR WITH THE THREE STATES OF MATTER.