

Lab 1. Physiological Instrumentation

Rosalba Navarro

August 18, 2023

The purpose of lab one was to observe the different instruments and to use them in order to perform the various experiments. I measured linear, mass, volume, pH, and time. The instruments I used were a ruler, a beaker, a graduated cylinder, pH paper and some substances in containers A, B, and C, a calculator and a stopwatch.

By using all the materials and the information provided in the lab manual, I was able to accurately perform each experiment. To begin, I measured my textbook's length, width, and depth. For that I used a ruler and then I converted the measurements from millimeters to centimeters. So, using the measurements and conversions provided in the lab manual, I could obtain accurate results. The rest of the experiments were very similar because all of them required measurements and conversions.

However, different instruments were used for each experiment. For example, when measuring volume and mass, I used a beaker and a graduated cylinder. For pH measurements, I used pH paper and some substances already in the three containers labeled as A, B, and C. The purpose of that was to determine the acidity of each one of the substances. I measured time using a stopwatch and a calculator. That allowed me to accurately obtain beats per second, minute, and millisecond. There were no errors when performing the experiments. It was easy, simple, and accurate when working with the different instruments.