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Lab 1 – Physiological Instrumentation

“Tools of Trade”

In this lab we will get familiar and comfortable using the basic metric unit of measurement. My partner and I will measure Linear, Volume, mass, time, and pH measurements. A few conversions will be mm to cm, mL to liters, and mg to g. As we finish this lab, we hope to feel confident using the metric system in the future, as well as recognize acidity or alkalinity of solution given its pH.

My partner and I use several items and objects to conduct out the lab. We used a ruler, beaker, graduated cylinder, pH liquid and strips, also used an apple and a phone.

The first step of lab was measurements, so we used our ruler to measure our lab book we measured the length, width, and depth. Second, we measured the volume and used water, beaker, and graduated cylinder. Third was mass we used a scale and our beaker. Fourth was pH measurements we used pH strips, water, and test tubes. Lastly, we used out apple watches and calculators to measure our pulse rates.

In result to our lab, we were able to covert cm to mm which included the length out our lecture book 27.305 cm to 273.1 mm width was 21.59cmto 215.9 mm, and depth was 0.635cm to 6.35mm. Volume measurements were 50mL= 0.05 liters, and 44mL= 0.044. Most of our data that was collected we would measure by cm and used our phone/ calculations and convert into mm, liters, mg to determine our results. Therefore, we were able to practice using our metric system and feel a little more confident.