**Metric System Lab**

1. Using a meter stick or hand mm ruler, measure your textbook thickness in
   1. mm \_\_\_\_\_\_\_\_\_\_\_\_
   2. cm \_\_\_\_\_\_\_\_\_\_\_\_
   3. km \_\_\_\_\_\_\_\_\_\_\_\_
2. Using a meter stick or hand mm ruler, measure your textbook width (shortest length) in
   1. mm \_\_\_\_\_\_\_\_\_\_\_\_
   2. cm \_\_\_\_\_\_\_\_\_\_\_\_
   3. km \_\_\_\_\_\_\_\_\_\_\_\_
3. Using a meter stick or hand mm ruler, measure your textbook length (longest length) in
   1. mm \_\_\_\_\_\_\_\_\_\_\_\_
   2. cm \_\_\_\_\_\_\_\_\_\_\_\_
   3. km \_\_\_\_\_\_\_\_\_\_\_\_
4. Using the above measurements, determine the surface area of your textbook in (remember you must multiply cm X cm to get surface area in cm2 and mm X mm to get surface area in mm2 etc.)
   1. mm2 \_\_\_\_\_\_\_\_\_\_\_\_
   2. cm2  \_\_\_\_\_\_\_\_\_\_\_\_
   3. km2  \_\_\_\_\_\_\_\_\_\_\_\_
5. Using the above measurements, determine the volume of your textbook in
   1. mm3  \_\_\_\_\_\_\_\_\_\_\_\_
   2. cm3  \_\_\_\_\_\_\_\_\_\_\_\_
   3. km3  \_\_\_\_\_\_\_\_\_\_\_\_
   4. um3  \_\_\_\_\_\_\_\_\_\_\_\_ (you will have to figure the um of each dimension first)
6. Using the scale in the front of the room, weigh yourself in lbs. (this is the weight you will read from the scale). Convert this to
   1. kg \_\_\_\_\_\_\_\_\_\_\_\_
7. Convert this into grams
   1. g \_\_\_\_\_\_\_\_\_\_\_\_