

Measurement Lab #1

1 Graduated Cylinders

1. What quantity does the graduated cylinder measure?
2. What are the units that the graduated cylinder measures in?
3. Measure the volume of the two liquids. **Make sure to include units!**
 - (a) red liquid:
 - (b) blue liquid:

2 Thermometers

1. What quantity does the thermometer measure ?
2. What are the units that the balance measures in? Do not use Ferenheit!
3. Measure the temperature of the air and the temperature of the water. **Make sure to include units!**
 - (a) air:
 - (b) water:

3 Triple-Beam Balance

1. What quantity does the balance measure?
2. What are the units that the balance measures in?
3. Measure the mass of the wooden, metal, and plastic blocks. **Make sure to include units!**
 - (a) Wooden block:
 - (b) Metal block:
 - (c) Plastic block:

4 Ruler

1. What quantity does ruler measure?
2. What are the units that the ruler measures in? Do not use inches!
3. Measure the height of the wooden, metal, and plastic cylinders. **Make sure to include units!**
 - (a) Wooden cylinder:
 - (b) Metal cylinder:
 - (c) Plastic cylinder:

5 Meter Stick

1. What quantity does the meter stick measure?
2. What are the units that the meter stick measures in? Do not use inches!
3. Measure the length and width of the table (2 different measurements). **Make sure to include units!**
4. When would it be better to use a meter stick and when would it be better to use a ruler to make measurements?

6 Stopwatch

1. What quantity does the stopwatch measure?
2. What are the units that the stopwatch measures in?
3. Measure the time it takes for the stoplight to cycle from Red to Yellow to Green then back to Red. (*Start the timer when the red light turns on and then stop it the next time the red light turns on.*) **Make sure your measurement includes units!**