

Measurement Activity

Name _____

Chemistry

Date _____ Hour _____

Learning Target: I can apply the rules of significant figures and explain their importance in measurements and calculations in the scientific community.

Procedure: Study each of the different tools that a scientist might use to make measurements. At each station, fill in the chart below by identifying the following:

- The measuring device.
- The certain and estimated digit(s) of the measuring device. *Hint: which place value(s)? There may be more than one.*
- The measurement (**with units**) of the sample item that properly reflects the precision of the instrument. Remember to estimate!

Measuring Device	Certain Digit(s) <i>Place Value(s)</i>	Estimated Digit <i>Place Value</i>	Acceptable Measurement
<i>Meter Stick</i>	<i>Tens, Ones</i>	<i>Tenths</i>	<i>26.3 cm</i>
Electronic Balance			
Large Test Tube			
10 mL Graduated Cylinder			
Triple Beam Balance			
100 mL Beaker			
Alcohol Thermometer			
Meter Stick			
2000 mL Beaker			
Ruler #1			
Ruler #2			
Ruler #3			
Ruler #4			
100 mL Graduated Cylinder			