

Lab Equipment JEOPARDY!, Prepared by Kimberly Stewart (SEPTEMBER 2011)

	<b>“Water, Water Everywhere!”</b> (Liquid Containment)	<b>“Hold it in!”</b> (Containers)	<b>“Heat it up!”</b> (Thermal Materials)	<b>“Who knows?!”</b> (Miscellaneous)
<b>100</b>	<p><b>A:</b> Erlenmeyer, (or) Florence, (or) Volumetric</p> <p><b>Q:</b> Name one type of flask.</p>	<p><b>A:</b> Test Tube Holder (This should be test tube clamps, not rack!)</p> <p><b>Q:</b> Identify this instrument. (Display Test Tube Holder)</p>	<p><b>A:</b> Hot Plate</p> <p><b>Q:</b> Identify this instrument. (Display hot plate)</p>	<p><b>A:</b> Mortar &amp; Pestle; Elephant Toothpaste Experiment - Used to grind KI (Potassium Iodide)</p> <p><b>Q:</b> Name the instrument; When did we use it and for what?</p>
<b>200</b>	<p><b>A:</b> Graduated Cylinder</p> <p><b>Q:</b> Identify this instrument. (Display graduated cylinder)</p>	<p><b>A:</b> Test Tube Rack</p> <p><b>Q:</b> Identify this instrument. (Display Test tube rack)</p>	<p><b>A:</b> Bunsen Burner</p> <p><b>Q:</b> Identify this instrument. (Display Bunsen Burner)</p>	<p><b>A:</b> Test Tube Brush; Cleans Test Tubes</p> <p><b>Q:</b> Name item &amp; what it is used for. (Display Test Tube Brush)</p>
<b>300</b>	<p><b>A:</b> Erlenmeyer is “cone shaped” while a Florence has a “round-bottom”; Erlenmeyer heats substances <i>quickly</i>, while Florence heats liquids <i>evenly</i>.</p> <p><b>Q:</b> Difference between Florence and Erlenmeyer Flasks?</p>	<p><b>A:</b> Ring Stand (Extra Credit - show how to use)</p> <p><b>Q:</b> Identify this instrument (Display ring stand)</p>	<p><b>A:</b> Open Flame Alert</p> <p><b>Q:</b> Name the safety hazard associated with the use of a Bunsen Burner.</p>	<p><b><u>DAILY DOUBLE!</u></b></p> <p><b>A:</b> Hands-On (Check to be sure that student has measured 150 mL to the point of meniscus bottom - meniscus?? Learning Opportunity!)</p> <p><b>Q:</b> Measure 150 mL of H<sub>2</sub>O in graduated cylinder</p>

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<b>400</b>	<p><b>A:</b> Beaker</p> <p><b>Q:</b> Identify this instrument. (Display Beaker)</p>	<p><u><b>DAILY DOUBLE!</b></u></p> <p><b>A:</b> Titrations (Challenging; perhaps extra points/hints)</p> <p><b>Q:</b> What is this used for? (Display Buret)</p>	<p><b>A:</b> Bunsen Burner is powered by gas while Hot Plate uses electricity.</p> <p><b>Q:</b> Name the main difference between a hot plate &amp; Bunsen Burner</p>	<p><b>A:</b> Crucible &amp; Cover</p> <p><b>Q:</b> Identify the two pieces of this instrument. (Display Crucible and Cover)</p>