Name _____ Date _____ Period _____

A Get-To-Know-Your-Lab-Equipment Activity

Objective: *Be able to identify and describe the function of several laboratory supplies commonly used in Biology.*

Directions: *Fill in the chart with information regarding each piece of lab equipment. Answer the lab analysis questions at the end of the assignment.*

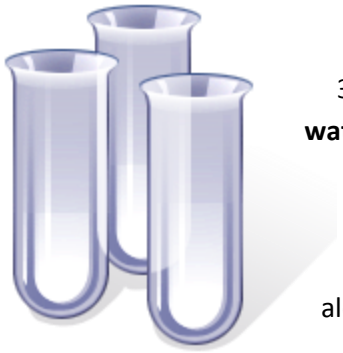
EQUIPMENT NAME AND PICTURE	WHAT IS THE FUNCTION OF THIS LABORATORY TOOL?	OTHER INFORMATION
Beaker 		A beaker is used to measure volume in what metric unit? Accidents happen. What should a student do if the contents of a beaker spill?
Erlenmeyer Flask		How do you hold and move a flask if you are mixing chemicals?
Goggles		Accidents happen. What Should you do if something gets in your eyes during a lab?
Graduated Cylinder		A graduated cylinder is used to measure _____ in mL. This tool should only be read when it is placed on a flat surface. Why?
Pipet		A pipet is used when adding (choose one: small / large) amounts of liquids.
Microscope Slide		Accidents happen. What should you do if you break a microscope slide? What is the function of a compound light microscope?

Thermometer		A thermometer is used to measure temperature in what metric unit? What is the freezing point of water? What is boiling point of water?
Test Tube		When working with other materials, test tubes should rest in a _____. What should you do with its contents if you are done using a test tube?
Forceps		Forceps sure do look like _____ but they are never to be called this (it is not the correct scientific terminology).
Ruler		A ruler is used to measure length in what metric unit? A meter stick is _____ cm long.

Analysis Questions:

1. Which lab equipment tool would you use to measure **exactly 4 mL of water**. *Explain your reasoning.*

2. Which lab equipment tool would you use to heat a small amount of liquid **over a Bunsen burner**? *Explain.*



3. Which lab equipment tool would you use to measure **approximately 50 mL of salt water**? *Explain.*

4. Which lab equipment tool would you use to **drop** small quantities of isopropyl alcohol into a test tube? *Explain.*

5. Which lab equipment tool would you use to determine if water is almost to its **boiling point**? *Explain*.