**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*

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| *Equipment Name and Picture* | *What is the function of this laboratory tool?* | *Other Questions to answer* |
| **Beaker**  https://sp3.yimg.com/ib/th?id=HN.608008910840269511&pid=15.1&P=0 |  | 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 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? |
| **Pipette** |  | A pipette 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? |
| **Cover Slip** |  | Accidents happen. What should you do if you break a cover slip? |
| **Thermometer** |  | A thermometer is used to measure temperature in what metric unit?  What is the freezing point of water?  What is the 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). |
| **Scalpel** |  | Accidents happen. Always make sure you cut \_\_\_\_\_\_\_\_ from yourself. |
| **Ruler** |  | A ruler is used to measure length in what metric unit?  A meter stick is \_\_\_\_\_\_cm long. |
| **Balance** |  | A balance is used to measure mass in what metric unit?  The balance in front of you is a triple beam balance. |

**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 or candle? 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.