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? |
| **Petri Dish** |  | When growing bacteria, you must first pour a gel substance called ***agar*** into the petri dish. Why do you think agar is necessary? |
| **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.*



1. Which lab equipment tool would you use to measure **approximately 50 mL of salt water**? *Explain.*
2. Which lab equipment tool would you use to **drop** small quantities of isopropyl alcohol into a test tube? *Explain.*
3. Which lab equipment tool would you use to determine if water is almost to its **boiling point**? *Explain*.