**Reactivity of Metals Lab**

Ms. Purcell is going to add 4 different metals to beakers of warm water containing a few drops of phenolphthalein (PHTH).

**Necessary Information:**

* Phenolphthalein indicates the presence of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* A lit splint test identifies a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Sketch and Label Ms. Purcell’s set up:**

**Observations:**

|  |  |
| --- | --- |
| **Metal** | **Description of What Happened Only! Use point form!!!** |
| **Lithium (Li)** |  |
| **Sodium (Na)** |  |
| **Magnesium (Mg)** |  |
| **Calcium (Ca)** |  |

**Inferences--conclusions reached on the basis of evidence and reasoning—use point form everywhere!!!**

1) Behavior of the piece of metal in the water—what did it do—what does this mean?

2) Result of PHTH—what was the result—what does this mean?

3) Result of lit split test—what was the result—what does this mean?

**Conclusion—what happens when certain metals are added to water?**

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