**Activity Series Lab II**

**Problems:**

1. **How can you predict if 5 solutions will react with Ca, Cu, Pb, Al or Mg?**
2. **How can you make observations that prove your predictions true or false?**

**Material: Cu, Al, Pb, Mg, Ca Activity Series, 5 solutions (5 ml each you pick), beakers.**

**Data:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Sol. 1.)****Prediction /Observation**  | **Sol. 2.)****Pre/Ob** | **Sol. 3.)****Pre/Ob** | **Sol. 4.)****Pre/Ob** | **Sol. 5.)****Pre/Ob**  |
| **Cu** |  |  |  |  |  |
| **Ca** |  |  |  |  |  |
| **Mg** |  |  |  |  |  |
| **Pb** |  |  |  |  |  |
| **Al** |  |  |  |  |  |

**Conclusion:Use complete sentences. Use at least 50 words. Answer the following questions:**

**What is an activity series? What are they for? Where are the most reactive elements? What types of reactions (single, double, synthesis or decomposition) are the applicable to? If a reaction occurs which ion is more reactive? Which ion (that you used) was the most reactive? Least? How do you know?**