**Iron III and Iron IV Lab**

**Problem:**

**How could you determine if there is a difference reactivity of a solution with Iron (III) in it versus a solution with Iron (IV) in it?**

**Material: Fe (III) solution (20 ml), Fe (IV) solution (20 ml), beakers, Ca and thermometer.**

**Data:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Initial****Temp** | **Final****Temp** | **Change in Temp** |
| **Fe (III) solution + Ca** |  |  |  |
| **Fe (IV) solution + Ca**  |  |  |  |

**Most reactive: \_\_\_\_\_\_\_\_**

**Conclusion. From Notes**