**Laboratory Report:**

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* Faculty of Science
* Department of Chemistry
* Chem. 241L

**Title: Exp3 Chemical Reactions**

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Report

**Purpose/Aim**: Undergoing a series of reactions in order to identify whether a chemical reaction takes place.

**Procedure**:

1. 3ml of HCL added with a small quantity of S
2. 3ml of HCL added with a small quantity of CaCO2
3. 3ml of Ca(NO3)2 with a small quantity of Zn
4. 3ml of FeSO4 with 3ml of Na3PO4
5. 3ml of Ca(NO3) with 3ml of Na2CO3

**Observation and Data**:

**First Experiment:** No reaction between S and HCL.

**Second Experiment:** Release of CO2 gas and a change in color (white -> yellow).

**Third Experiment:** No reaction between Zn and Ca(NO3)2.

**Fourth Experiment:** A clear formation of precipitate and change in color.

**Fifth Experiment:** Change in color from Pink to White.

**Sixth Experiment:** Formation of a white precipitate.

**Conclusion:** Chemical reactions only seem to appear when half of substances react with half the products.