**Aluminum Reaction with Copper (II) chloride Reaction** 

**Purpose:** To observe chemical changes when aluminum and copper (II) chloride (CuCl2) and water react. To be able to describe the chemical changes.

**Materials:**

Safety goggles 100 mL beaker

CuCl2 water

Aluminum foil Stirring rod

Thermometer Paper towel

**Procedure:**

1. Wear safety goggles at all times.
2. Measure **50 mL** of water in the beaker. **Record** the temperature of the water (in degrees Celsius).

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1. Get a pre-measured amount of CuCl2 (about 2 g). Be careful **not** get any of the CuCl2 on your hands.
2. Carefully add the CuCl2 to the water. **Do not stir**. **Describe** what you observe.

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1. Record the temperature of the CuCl2 solution.

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1. Stir the CuCl2 until it is completely **dissolved**.
2. Make the aluminum foil into a loose ball and using the stirring rod, hold it under the liquid in the beaker. **Record the temperature** and **draw** and **record** all the chemical changes that you observe.

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**Conclusion** (how did you know that there were chemical changes when Al, water and CuCl2 were combined?):

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