

LAB [25 pts]
Evidence of an Interaction
CuCl₂ + Aluminum

Name _____
Lab Partner(s) _____
Period _____ Date _____

Introduction: This experiment provides you with an opportunity to carefully observe a simple reaction. Try to think of conditions that matter. Be alert to questions that come to mind as you observe. Afterwards, we will try to answer some of your “why” questions. *It is important that you make your observations as specific and complete as you can.*

Purpose: To observe blue crystals (CuCl₂) added into water and observe what happens when aluminum foil is added to the solution.

Write-up: Observations [10 pts]: Describe what is happening, but refrain from drawing conclusions. Compare and contrast both beakers before, during and after any changes. *Complete sentences are **not** needed, but be certain that I can understand what you are describing.*
Post-lab questions [15 pts] (*Complete sentences **are** needed*)

Procedure:

1. Fill two 100 mL beakers about half full with water. Ask me to add about one teaspoon of blue crystals (CuCl₂) to each 100 ml beaker. Allow the water/crystal mixtures to stand undisturbed for a short time. Compare the similarities and differences between the beakers.

[2 pts] **Observations when added blue-green crystals (no stirring):**

Beaker A	Beaker B

2. Stir the water until one of the components of the mixture disappears.

[2 pts] **Observations after stirring blue-green crystals:**

Beaker A	Beaker B

