

Please follow this lab write up for the lab:

CuCl₂ reaction with Al metal (you can use this lab title)

Purpose: To observe evidence of a chemical reaction.

Materials:

- CuCl₂ (copper (II) chloride)
- And 4 more (what else did we use?)

Procedure (there is no need to write out the procedure):

1. Pour about 1cm of CuCl₂ into a small test tube.
2. Grab a small piece of aluminum foil.
3. Observe the starting appearance of both reactants. Write down these observations.
4. Add a rolled piece of aluminum foil and give the tube a small shake.
5. Observe the reaction carefully over some time. Record your observations after about 30 seconds and when the reaction has finished.
6. Note as many observations as you can that indicate that a chemical reaction has taken place.
7. Dispose of chemicals as directed. These materials CANNOT go down the sink.
8. Clean up your desk and work on your lab report (follow this format!)

Observations (qualitative)

What did both reactants look like before we started the reaction?

30 seconds into the reaction

When reaction has finished.

Lab reflection:

1. What evidence of a chemical reaction did you observe? List as many as you can think of (there are more than 3!).
2. In this lab, we observed the formation of solid copper metal. Where do you think the copper came from? Hint: it came from the starting materials (also known as the reactants).
3. What questions do you have about this lab, or something else you would like to research (in relation to this lab)? (saying "none" or "no questions" is not an appropriate answer, as we are learning how to ask a question in science.)

Lab completion check list:

| Criteria | Present: | | Comments |
|---|----------|----|----------|
| | Yes | No | |
| Name | | | |
| Date | | | |
| Lab title | | | |
| Purpose - The purpose is clear and easy to understand | | | |
| Materials - List is complete | | | |
| Observations - Starting materials are described - After 30 seconds - At end of reaction | | | |
| Lab Reflection - Question 1 answered - Question 2 answered - Question 3 answered | | | |
| Overall: - Lab is neat and easy to follow - Lab has clear headings | | | |