

- Place a twist of aluminum foil in the test tube. Leave it until no reaction is observed. Touch the bottom of the test tube to check for temperature change. Two reactions take place. Copper (II) chloride and aluminum produce copper and aluminum chloride. The aluminum also reacts with the hydrochloric acid to form hydrogen and aluminum chloride. Record the changes that occur in the test tube.
- Remove the aluminum foil from the test tube. Compare the copper formed to a sample of copper wire. Record your observations.

Clean up and disposal

- Clean all apparatus and your lab station. Return equipment to its proper place. Dispose of chemicals and solutions in the containers designated by your teacher. Do not pour any chemicals down the drain or in the trash unless your teacher directs you to do so. Wash your hands thoroughly before you leave the lab and after all work is finished.

Observations

Complete the table as you follow the procedure.

What you did	What you observed
1. Watched the video start with copper, Cu(s).	
2. Watched the video add nitric acid, HNO ₃ (aq)	
3. Added sodium hydroxide, NaOH(aq).	
4. Heated the mixture.	
5. Added hydrochloric acid, HCl(aq).	
6. Added aluminum foil, Al(s).	
7. Compared copper from test tube to teacher's sample.	