Worksheet for Activity 4.2 Copper (II) chloride and aluminum

Materials

- copper (II) chloride (CuCl₂)
- beaker
- aluminum (Al)
- water (from tap)
- scoop
- funnel
- filter paper
- Erlenmeyer flask
- evaporation dish

Safety warning

Copper (II) chloride is toxic and causes eye irritation. Be sure to wear safety goggles at all times. In case of eye contact, flush eyes with water for at least 15 min.

Copper (II) chloride is also toxic to fish and algae in water. Do NOT dump down the drain.

Investigate

Record your observations of the substances CuCl₂ and Al.

CuCl ₂	
Al	

- 1. Mix a small scoop (pea-sized) of the CuCl₂ with about 20 mL of water in the empty beaker.
- 2. Stir the mixture to dissolve the copper (II) chloride, make sure the solution is no longer cloudy.
- 3. Tear the aluminum foil into small pieces. Add about ten small pieces of the foil to the beaker and mix.

Record your observations of the reaction.

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