

Equipment Familiarization and Signs of Chemical Reactions

1. Make sure you are thoroughly familiar with the following:
BUNSEN BURNER DIGITAL SCALE
RING STAND ALCOHOL THERMOMETER
O RING
CRUCIBLE
2. Fill your 600 mL glass beaker with approximately 100 mL of tap water. Obtain Copper(II) Chloride from the instructor's table and record its mass. Add to the water and stir with the glass stirring rod. Record all observations. Record the temperature before and after adding the copper(II) chloride.
3. Obtain a small piece of aluminum. Record its mass. Add to the copper(II) chloride solution. Take the temperature. Record all observations.
4. Repeat this procedure only with a small piece of solid magnesium instead of aluminum.
5. Turn on your Bunsen burner. Obtain a small piece of magnesium ribbon. Hold it in the flame with your forceps until it ignites. CAUTION: Do not look directly at it. Place it in the crucible. Record your observations.
6. Repeat #5 only use a small piece of aluminum instead of magnesium ribbon.

DATA TABLE(use reverse if needed)