

EXPERIMENT

FLOWCHART

STEP 1 PREPARATION



Prepare all the chemical and laboratory apparatus as listed in materials

- Solution A: 1. Prepare 2.5g of CuSO_4 and 50mL of water in 100mL beaker
 2. Use a stirring rod to mix the solution for 2–3 minutes
- Solution B: 1. Prepare 0.2g of NaOH and 25mL of water in 100mL beaker
 2. Use a stirring rod to mix the solution for 2–3 minutes
- Solution C: 1. Prepare 0.6g of NaOH and 25mL of water in 100mL beaker
 2. Use a stirring rod to mix the solution for 2–3 minutes

STEP 2 SYNTHESIS



1. Mix solution A with solution B
2. Use a stirring rod to mix the solution for 2–3 minutes
3. Put the filter paper on the scale and record the weight.
4. Use the paper filtration technique and separate the solid product
5. Clean by rinsing the solid product left on the beaker with 10mL of distill water
6. Clean by using 10mL of distill water to clean the solid residue(Na_2SO_4 salt), do this twice
8. Clean the solid residue again with 10mL of ethanol
8. Remove the filter paper along with the solid residue to watch glass
9. Place the filter paper in the over and let dry overnight in the oven
10. Repeat step 1–9 of synthesis but replace solution B with solution C

STEP 3 DATA GATHERING



1. After one day has passed from the above steps, weight the mass of the two filter papers using the scale
2. Calculate the percentage yield of the reactions
3. Record the data or observation in the data table
4. Answer the 4 discussion questions
5. Create the lab report