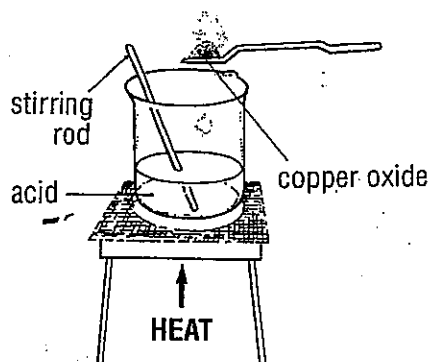


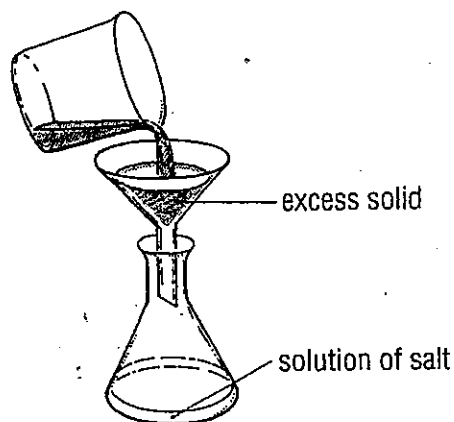
- 1 Put about 25 cm³ of dilute sulphuric acid in a small beaker.
Gently warm it on a tripod and gauze.
Do **not** let the acid boil.



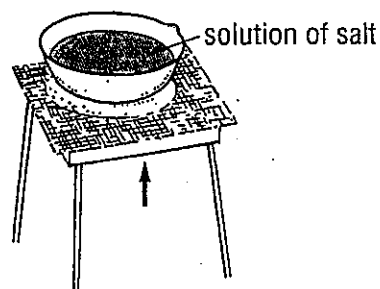
- 2 Add copper oxide powder, one spatula measure at a time until no more dissolves. Stir the mixture with a glass rod to help the copper oxide to react.



- 3 Stop heating and let the beaker cool down. Carefully filter the mixture while it is still warm. Collect the **filtrate** in a conical flask. The filtrate is copper sulphate solution. What do you think the **residue** is?



- 4 Put the filtrate in an evaporating basin. Carefully evaporate the filtrate to half its original volume. (Heat gently to stop the solution from spitting.)



- 5 Leave the basin to cool. The crystals of copper sulphate should form slowly.

What do your crystals look like?

