



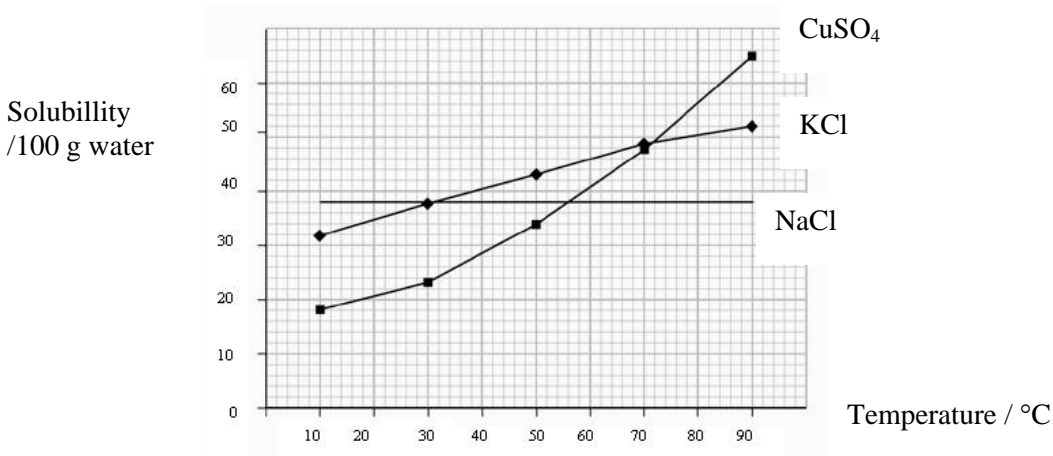
CHAPTER 1: INTRODUCTION TO CHEMISTRY



Extra practice

Section A (Structured Item)

A student carried out an experiment to determine the solubilities of potassium chloride, copper(II) sulphate and sodium chloride. The diagram below shows the graphs obtained.



- (a) Suggest a suitable name for the graphs.
- [1 mark]
-
- (b) Draw an inference from the graphs concerning the solubilities of the three solids at 40 °C.
- [2 marks]
-
- (c) Infer a relationship between solubility and temperature.
- [1 mark]
-
- (d) How is the solubility of sodium chloride different from to the solubilities of potassium chloride and copper(II) sulphate?
- [2 marks]
-
- (e) What can you conclude from this experiment?
- [1 mark]
-