

Solubility

1. Define the following terms

a. Solvent

b. Solute

c. Solution

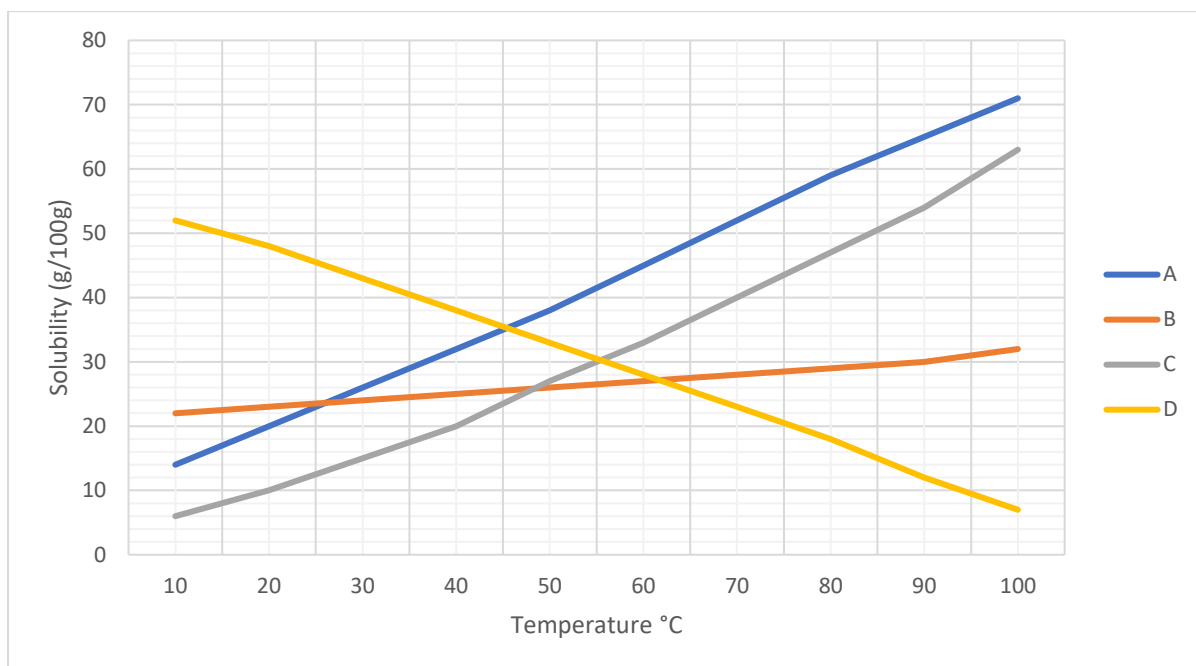
d. Saturated Solution

2. Describe what is meant by the term solubility

3. In an experiment to investigate solubility the following data were recorded.

Complete the table and then calculate the solubility of the salt.

Mass of solution	76.54g
Mass of solid residue	34.16g
Mass of water	



4. Analyse the graph above and answer the following questions

- Which of the solids A, B, C or D is the most soluble at 50°C?
- Which of the solids A, B, C or D is the least soluble at 80°C?
- What is the solubility of solid B at 90°C?
- At what temperature will 50g of solid A dissolve?