

Name:
Grade: 7
Chemistry worksheet

Solubility



The maximum amount of copper sulfate that can be dissolved in 1L of distilled water is 320g.

- 1) Calculate the solubility of copper sulfate in water.
- 2) Define solubility.
- 3) Define solute and solvent then identify each one.
- 4) Is this solution aqueous solution? Justify

A student prepares three solutions:

Solution one: 250g of copper sulfate+1L of water.

solution 2: 50g of copper sulfate + 140 ml of water.

Solution 3: 640 g of copper sulfate + 0.2Lof water.

- 5) Calculate the concentration of each solution.
- 6) Identify the type of each solution. Justify your answer.
- 7) What can you do to make a solution more concentrated?
- 8) What can you do to make a solution diluted?
- 9) What is the difference between miscible liquid and immiscible liquid?