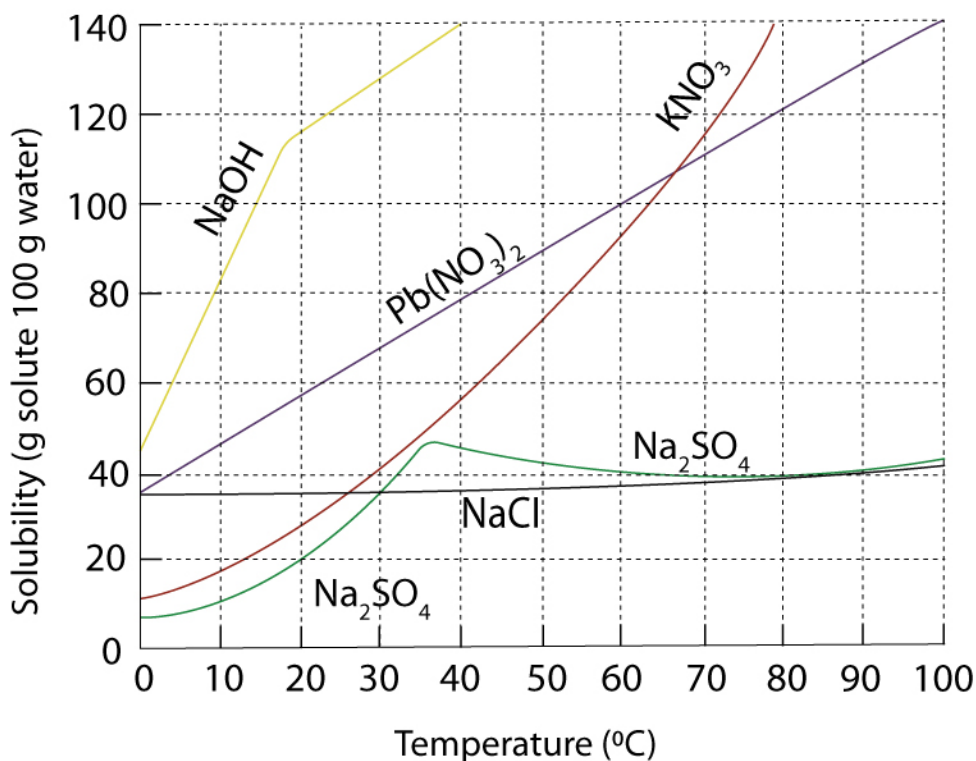


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Solubility Curve Worksheet



A. Use the solubility graph to answer the following:

1. What is the solubility of Na₂SO₄ at 90 °C? _____
2. What is the solubility of KNO₃ at 54 °C? _____
3. What is the solubility of NaCl at 20 °C? _____
4. What is the solubility of NaOH at 15 °C? _____
5. What is the solubility of Pb(NO₃)₂ at 90 °C? _____

B. Write down whether each solution is saturated, unsaturated, or supersaturated.

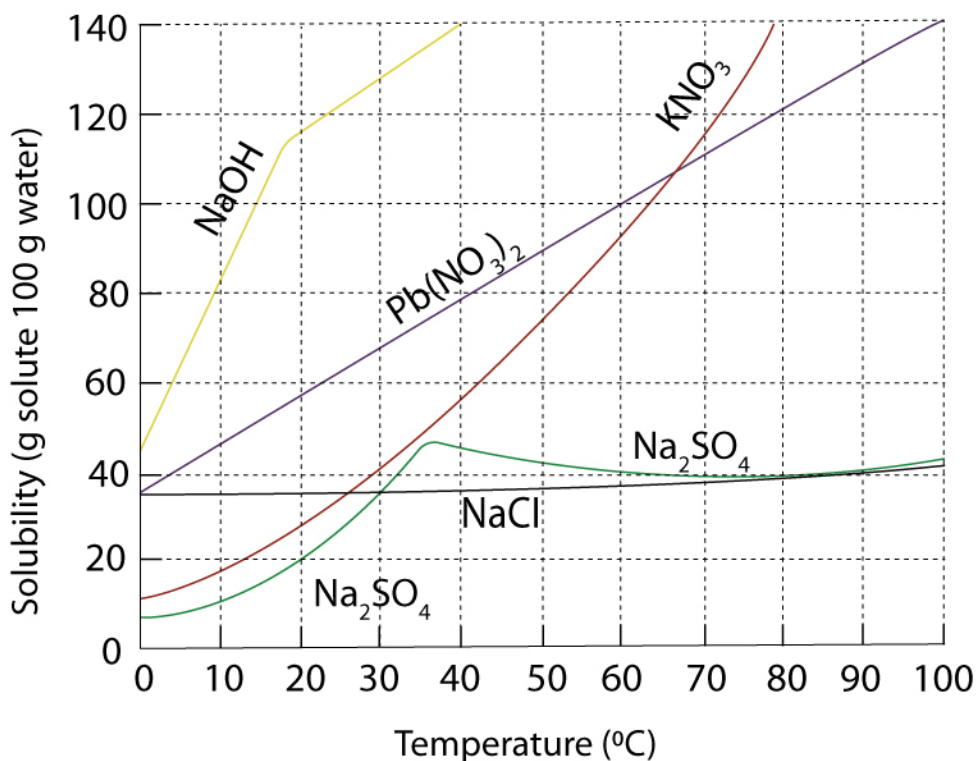
1. 50 g of NaCl is dissolved in 100 g of water at 20 °C. _____
2. 60 g of Pb(NO₃)₂ is dissolved in 100 g of water at 40 °C. _____
3. 80 g of NaOH is dissolved in 100 g of water at 10 °C. _____
4. 40 g of Na₂SO₄ is dissolved in 100 g of water at 30 °C. _____
5. 120 g of KNO₃ is dissolved in 100 g of water at 60 °C. _____

Name : _____ Date : _____

Score: _____

Solubility Curve Worksheet

Answers



A. Use the solubility graph to answer the following:

1. What is the solubility of Na₂SO₄ at 90 °C? 40 g
2. What is the solubility of KNO₃ at 54 °C? 83 g
3. What is the solubility of NaCl at 20 °C? 20 g
4. What is the solubility of NaOH at 15 °C? 100 g
5. What is the solubility of Pb(NO₃)₂ at 90 °C? 130 g

B. Write down whether each solution is saturated, unsaturated, or supersaturated.

1. 50 g of NaCl is dissolved in 100 g of water at 20 °C. supersaturated
2. 60 g of Pb(NO₃)₂ is dissolved in 100 g of water at 40 °C. unsaturated
3. 80 g of NaOH is dissolved in 100 g of water at 10 °C. saturated
4. 40 g of Na₂SO₄ is dissolved in 100 g of water at 30 °C. supersaturated
5. 120 g of KNO₃ is dissolved in 100 g of water at 60 °C. supersaturated