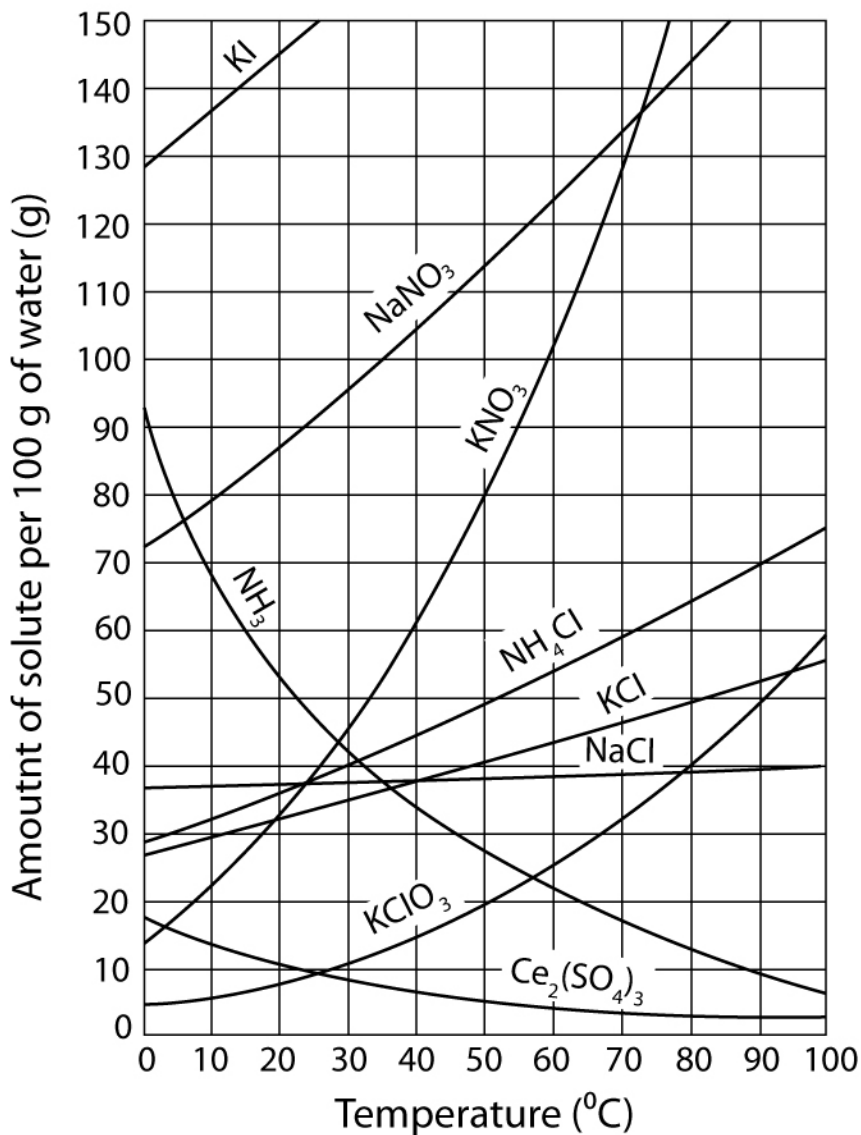


Practice Using Solubility Curve

The image below represents the solubility curves of several compounds. Answer the given questions.

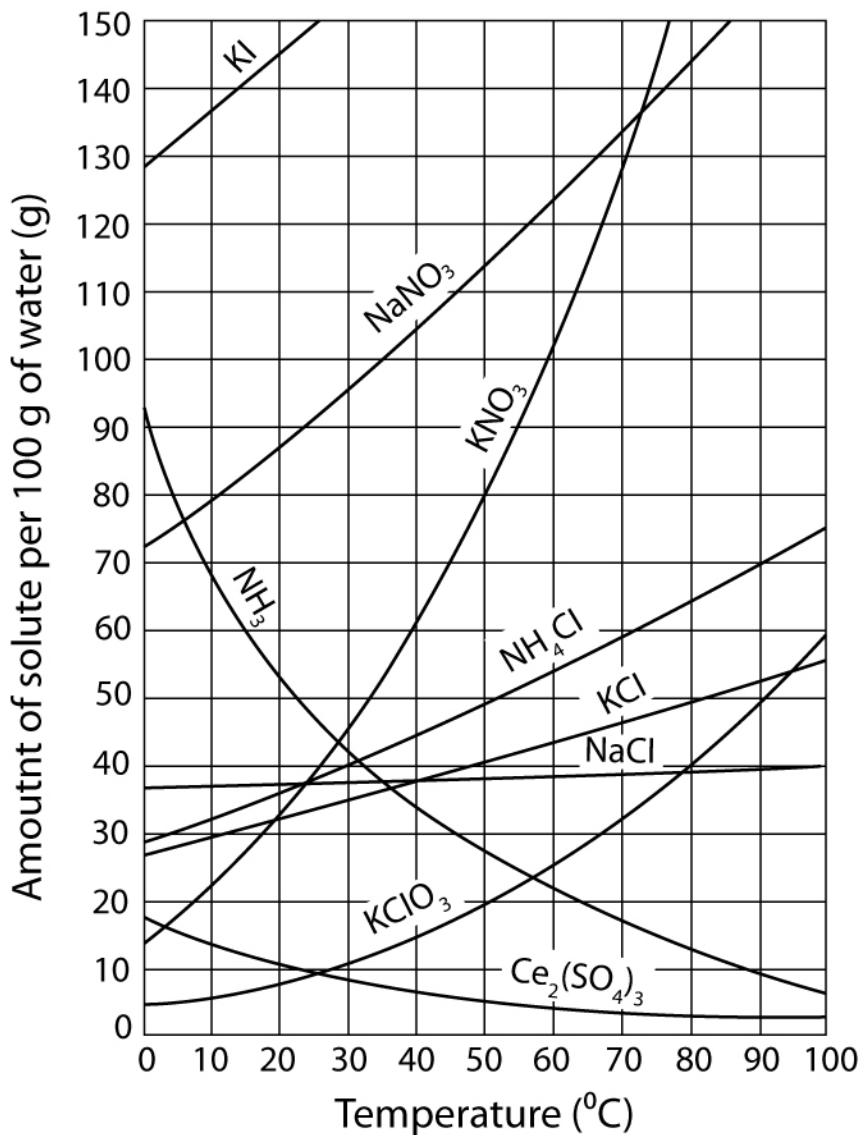


- List the substances whose solubility decreases as temperature increases. _____
- Which substance is least affected by temperature changes? _____
- How many grams of ammonium chloride (NH₄Cl) forms a saturated solution at 50°C? _____
- Which two substances have the same solubility at approximately 78°C? _____
- Which compound is least soluble in water at 10°C? _____
- What is the solubility of KCl at 25 °C? _____
- What is the solubility of Ce₂(SO₄)₃ at 50 °C? _____
- How many grams of KNO₃ can be dissolved at 50°C? _____

Practice Using Solubility Curve

Answers

The image below represents the solubility curves of several compounds. Answer the given questions.



- List the substances whose solubility decreases as temperature increases. NH₃ and Ce₂(SO₄)₃
- Which substance is least affected by temperature changes? NaCl
- How many grams of ammonium chloride (NH₄Cl) forms a saturated solution at 50°C? 50g
- Which two substances have the same solubility at approximately 78°C? NaCl and KClO₃
- Which compound is least soluble in water at 10°C? KClO₃
- What is the solubility of KCl at 25 °C? 35 g
- What is the solubility of Ce₂(SO₄)₃ at 50 °C? 5 g
- How many grams of KNO₃ can be dissolved at 50°C? 80g