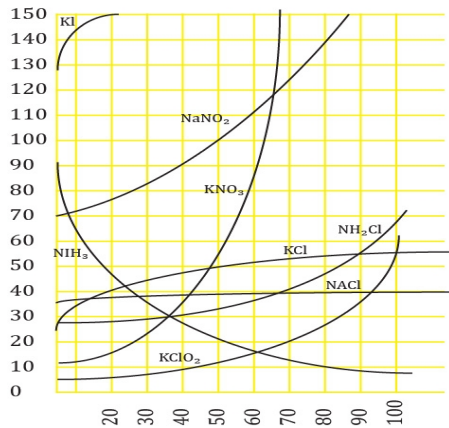


# SOLUBILITY CURVE ANSWER

Name: \_\_\_\_\_

Date: \_\_\_\_\_



At 30° C, 90 g of sodium nitrate is dissolved in 100 g of water. Is this solution saturated, unsaturated or supersaturated? **unsaturated**

What compound shows a decrease in solubility from 0° to 100° C? **NH<sub>3</sub>**

How many grams of potassium chloride can be dissolved in 200 g of water at 80° C? **100g**

Which salt is least soluble at 50° C? **KClO<sub>3</sub>**

Which salt shows the least change in solubility from 0°-100°C? **NaCl**

Which salt is least soluble in water at 20° C? **KClO<sub>3</sub>**

Which salt is most soluble at 10° C? **KI**

Which salt is least soluble at 90° C? **NH<sub>3</sub>**

A saturated solution of potassium chlorate is formed from one hundred grams of water. If the saturated solution is cooled from 80° C to 50° C, how many grams of precipitate are formed? **240-20g = 20g**

At 40° C, how much potassium nitrate can be dissolved in 300 g of water? **123g**