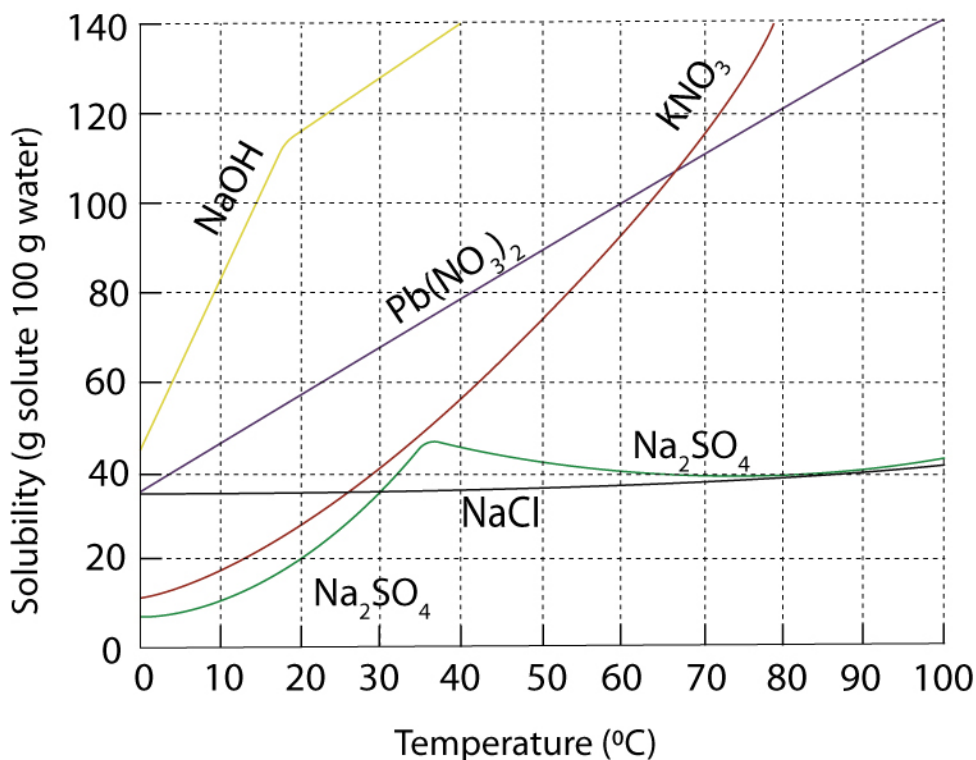


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## Solubility Graph Worksheet

Using the solubility graph below, answer the given questions.



1. What is the solubility of  $\text{Na}_2\text{SO}_4$  at  $90^\circ\text{C}$ ? \_\_\_\_\_
2. What is the solubility of  $\text{KNO}_3$  at  $54^\circ\text{C}$ ? \_\_\_\_\_
3. What is the solubility of  $\text{NaCl}$  at  $20^\circ\text{C}$ ? \_\_\_\_\_
4. What is the solubility of  $\text{NaOH}$  at  $15^\circ\text{C}$ ? \_\_\_\_\_
5. What is the solubility of  $\text{Pb}(\text{NO}_3)_2$  at  $90^\circ\text{C}$ ? \_\_\_\_\_
6. At what temperature does  $\text{Na}_2\text{SO}_4$  has a solubility of 10 g per 100 g of water? \_\_\_\_\_
7. At what temperature does  $\text{Pb}(\text{NO}_3)_2$  has a solubility of 60 g per 100 g of water? \_\_\_\_\_
8. At what temperature does  $\text{NaOH}$  has a solubility of 120 g per 100 g of water? \_\_\_\_\_
9. At what temperature does  $\text{KNO}_3$  has a solubility of 80 g per 100 g of water? \_\_\_\_\_
10. At what temperature does  $\text{Pb}(\text{NO}_3)_2$  has a solubility of 120 g per 100 g of water? \_\_\_\_\_

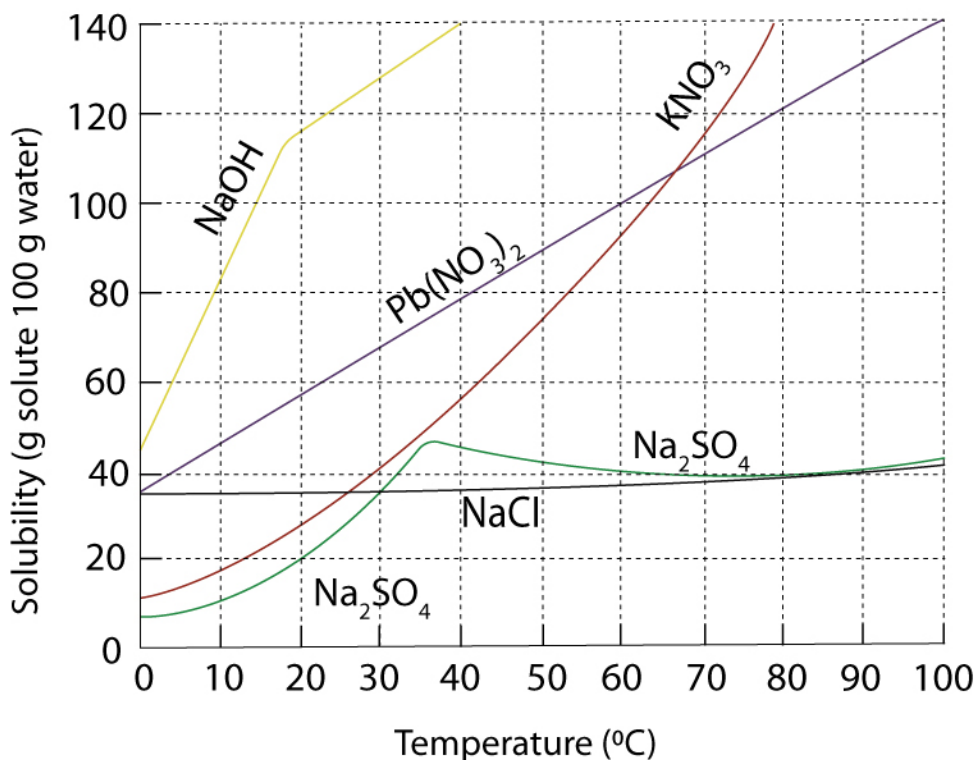
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## Solubility Graph Worksheet

### Answers

Using the solubility graph below, answer the given questions.



1. What is the solubility of Na<sub>2</sub>SO<sub>4</sub> at 90 °C? 40 g
2. What is the solubility of KNO<sub>3</sub> 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(NO<sub>3</sub>)<sub>2</sub> at 90 °C? 130 g
6. At what temperature does Na<sub>2</sub>SO<sub>4</sub> has a solubility of 10 g per 100 g of water? 5 °C
7. At what temperature does Pb(NO<sub>3</sub>)<sub>2</sub> has a solubility of 60 g per 100 g of water? 22 °C
8. At what temperature does NaOH has a solubility of 120 g per 100 g of water? 22 °C
9. At what temperature does KNO<sub>3</sub> has a solubility of 80 g per 100 g of water? 54 °C
10. At what temperature does Pb(NO<sub>3</sub>)<sub>2</sub> has a solubility of 120 g per 100 g of water? 80 °C