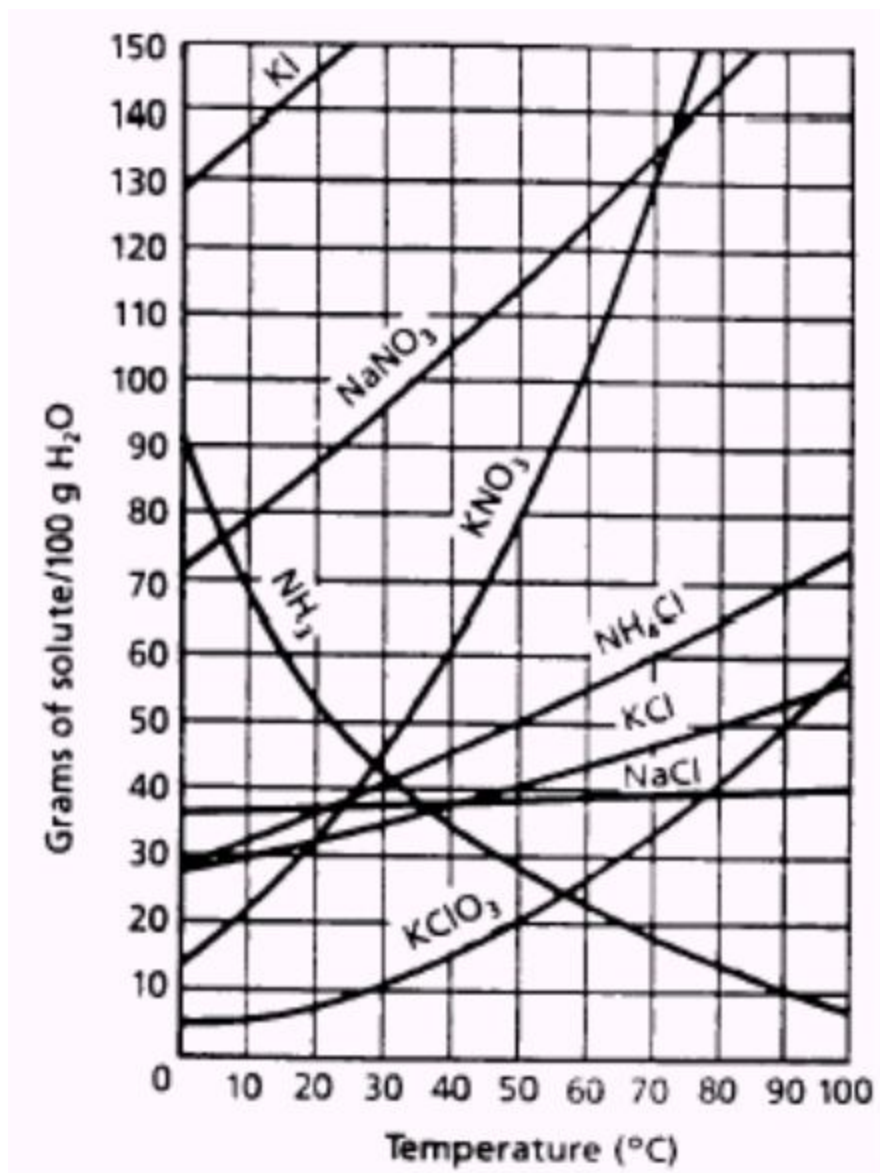


SOLUBILITY QUIZ



1. What explains why solids become more soluble as temperature increases and why gasses become less soluble? (You don't need the graph for this one.)
2. Which is more soluble NaNO₃ or KCl?
3. How does the line drawn for a particular substance relate to the saturation of a solution of that substance?

4. How many grams of NH_4Cl will dissolve in 100 grams of 90°C Water?

5. If I asked you to make a saturated solution of KCl in 100 grams of water, what other piece of information would you need before you could start?

6. At what temperature will 10 grams of KClO_3 dissolve?

7. At what temperature will equal amounts of KNO_3 and NH_3 dissolve?

8. Which substance's solubility is LEAST affected by increasing temperatures?

9. Which substance's solubility is MOST affected by increasing temperatures?

10. Which substance is most soluble at 0 Celsius?

True/False – Write TRUE or FALSE on the provided line.

11. _____ Increasing the temperature always increases the solubility of a solute in a solvent

12. _____ The type of solution depends on the state of the solute.

13. _____ Labels of potentially hazardous materials must contain cautions about possible hazards and instructions for correct and safe use (a common sense question...)

14. A solution that contains all the solute it can hold at a given temperature is _____.
 - a. diluted
 - b. saturated
 - c. supersaturated
 - d. unsaturated