

## Reactions in Aqueous Solutions: Metathesis Reactions and Net Ionic Equations

## 9 Pre-lab Questions

Before beginning this experiment in the laboratory, you should be able to answer the following questions.

1. Write molecular, complete ionic, and net ionic equations for the reactions that occur, if any, when solutions of the following substances are mixed:
  - (a) nitric acid and potassium carbonate
  - (b) sodium bromide and lead nitrate
  - (c) acetic acid and calcium hydroxide
  - (d) calcium nitrate and sodium sulfate
  - (e) ammonium chloride and lithium hydroxide
2. Which of the following are not water-soluble:  $\text{Ba}(\text{NO}_3)_2$ ,  $\text{FeCl}_3$ ,  $\text{CuCO}_3$ ,  $\text{CuSO}_4$ ,  $\text{ZnS}$ , and  $\text{ZnSO}_4$ ?
3. Write equations for the decomposition of  $\text{H}_2\text{CO}_3$  and  $\text{H}_2\text{SO}_3$ .
4. At what temperature (from your graph) do  $\text{KNO}_3$  and  $\text{NaCl}$  have the same molar solubility?

# Metathesis Reaction Lab Answers

**Lei Huang**



## Metathesis Reaction Lab Answers:

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**Di-tert-butyl-disulfide** Suzanne Amy Blum,2004      Proceedings - Fertilizer Industry Round Table, Washington, D.C.  
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In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its ability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Metathesis Reaction Lab Answers**," a mesmerizing literary creation penned by way of a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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