

## Predicting Reactions (Adapted from Paul Groves, SPHS)

### MIXED PRACTICE

NOTE: Please specify whether the reaction is a redox reaction or a precipitate reaction.

1998

- a) Solutions of tin(II) chloride and iron(III) chloride are mixed.
- b) Solutions of cobalt(II) nitrate and sodium hydroxide are mixed.
- c) Equal volumes of equimolar solutions of phosphoric acid and potassium hydroxide are mixed.
- d) Solid calcium sulfite is heated in a vacuum.
- e) Solid sodium oxide is added to distilled water.
- f) A strip of zinc is added to a solution of 6.0-molar hydrobromic acid.

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## Practice Group 2

1989

- a) Solutions of zinc sulfate and sodium phosphate are mixed.
- b) Solutions of silver nitrate and lithium bromide are mixed.
- c) A solution of tin(II) chloride is added to an acidified solution of potassium permanganate.
- d) A stream of chlorine gas is passed through a solution of cold, dilute sodium hydroxide.
- e) Carbon disulfide vapor is burned in excess oxygen.

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