

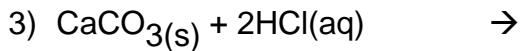
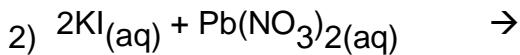
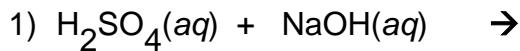
# Double Replacement Reactions Worksheet

## Objectives:

- Predict if a reaction will occur for double-displacement rxns
- Predict the products of double-displacement rxns

Predict if these reactions will occur. If yes, complete and balance the equation. You will need to use the Solubility Chart found in your book.

## Double Replacement Reactions



## Answers

A double displacement reaction will occur if a precipitate, a gas, or water is formed

- 1)  $\text{H}_2\text{SO}_4(\text{aq}) + 2\text{NaOH}(\text{aq}) \rightarrow \text{Na}_2\text{SO}_4(\text{aq}) + \text{H}_2\text{O}(\text{l})$
- 2)  $2\text{KI}(\text{aq}) + \text{Pb}(\text{NO}_3)_2(\text{aq}) \rightarrow 2\text{KNO}_3(\text{aq}) + \text{PbI}_2(\text{s})$
- 3)  $\text{CaCO}_3(\text{s}) + 2\text{HCl} \rightarrow \text{CaCl}_2(\text{aq}) + \text{H}_2\text{CO}_3(\text{aq})$   
Then  $\text{H}_2\text{CO}_3(\text{aq}) \rightarrow \text{H}_2\text{O}(\text{l}) + \text{CO}_2(\text{g})$
- 4) No reaction