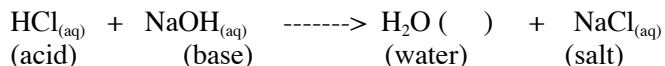


1. Double Replacements: a few more details!

a. In a double replacement reaction, if both products are _____, the rxn is generally* "N.R."
 (* there are a couple of exceptions to this rule, but we won't worry about this until next term.)

b. In order for a double replacement to occur (and not be an "N.R."), at least one of the products must be _____, _____, or _____ phase.

2. The only liquid you'll encounter in these double replacements is water: (Fill in the phase subscript!)



3. In this class, the only time a gas will form in a double replacement reaction is when carbonic acid is formed, because carbonic acid ($\text{H}_2\text{CO}_{3(aq)}$) decomposes into $\text{H}_2\text{O}_{(l)}$ and $\text{CO}_{2(g)}$. (This reaction occurs when you open a soda!)



b. Baking Soda (sodium bicarbonate) + Vinegar (Acetic Acid) :



4. Mixed Practice: Complete each reaction, including phase subscripts and balancing. One of these is "N.R."

