

## Double Replacement Reactions

### Double Replacement Reaction

A chemical reaction where two compounds switch their positive ions creating two new compounds.

### Acid Base Reaction

A double replacement reaction where an acid (HX or  $\text{HXO}_y$ ) react with a base (YOH) to produce water ( $\text{H}_2\text{O}$ ) and an ionic compound, called a salt.



### DR Reaction



Reactants	Products
AB + CD	AD + CB
Two Compounds	Two Compounds

### Acid/Base Reaction



Reactants	Products
Acid + Base	Salt + $\text{H}_2\text{O}$