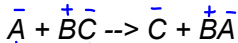
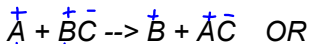
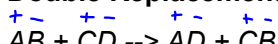


General Formula

Single Replacement (displacement):



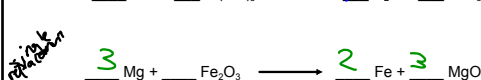
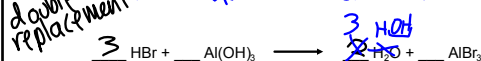
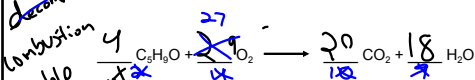
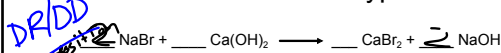
Double Replacement (displacement):



Nov 9-11:09 AM

Check for Understanding:

Balance and determine the type of reaction.



Nov 9-11:12 AM

Predicting Products:

Single Replacement

-- you need to check the activity series

-- the reaction can happen ONLY if the bonded element is lower on the list than the single element

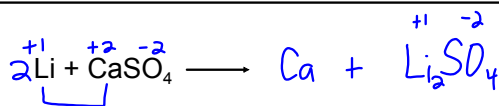
-- if the lone element is higher on the list, it must switch the element that has the same type of charge (positive or negative)

Activity Series

Most active	↓	METALS Lithium Rubidium Potassium Calcium Sodium Magnesium Aluminum Manganese Zinc Iron Nickel Tin Lead Copper Silver Platinum Gold
Least active	↓	HALOGENS Fluorine Chlorine Bromine Iodine

Nov 9-2:27 PM

Single Replacement Example



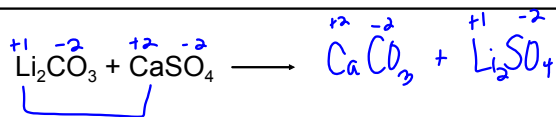
Nov 15-7:36 AM

Predicting Products:

Double Replacement

- you do NOT need to look at the activity series
- the elements with the same type of charge will switch (positive or negative)

Double Replacement Example

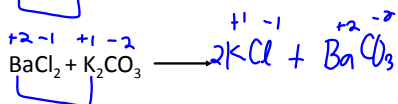
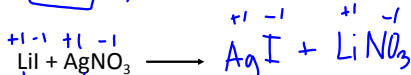
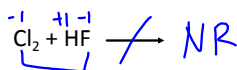
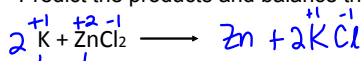


Nov 9-2:27 PM

Nov 15-7:36 AM

CHECK FOR UNDERSTANDING

Predict the products and balance the following equations:



Most active	↓	METALS Lithium Rubidium Potassium Calcium Sodium Magnesium Aluminum Manganese Zinc Iron Nickel Tin Lead Copper Silver Platinum Gold
Least active	↓	
Most active	↓	HALOGENS Fluorine Chlorine Bromine Iodine
Least active	↓	

Nov 9-2:31 PM