

Double Replacement

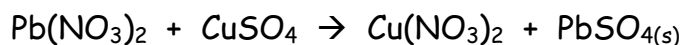
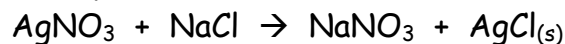
Description: During double replacement reactions, the cations and anions of two different compounds in solution switch.



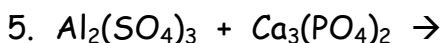
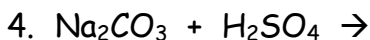
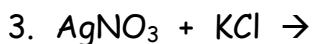
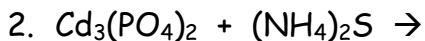
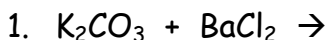
Comments:

- (1) In these reactions, there is never a change in oxidation state (charge).
- (2) NO single elements, CO_2 or H_2O as reactants!!!

Examples:



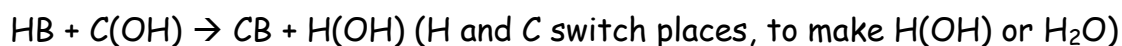
Practice Problems: Predict products and balance each equation below.



ACID BASE

Double Replacement

Description: During acid base double replacement reactions, the acid and base combine to produce a metal ionic compound and water.



Comments:

- (1) In these reactions, there is never a change in oxidation state (charge).
- (2) Reactants are an Acid (H) and a Base (OH)
- (3) Products are a metal ionic compound and water (H₂O)

