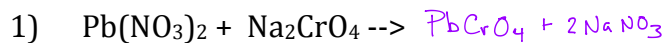


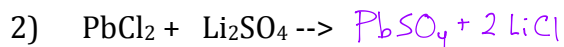
Extra Practice Reaction Types

For all the ionic reactions below solve for:

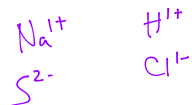
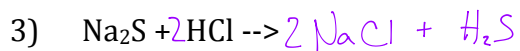
1. Identify cations and anions
2. Identify reaction type
3. Write balanced reaction with correct products.



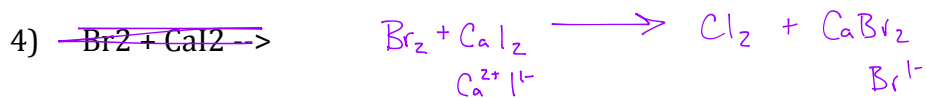
Double Replacement



Double Replacement

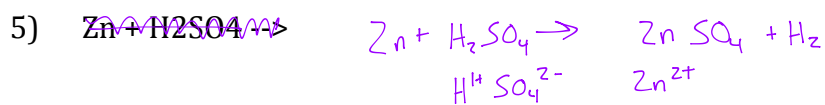


Double Replacement



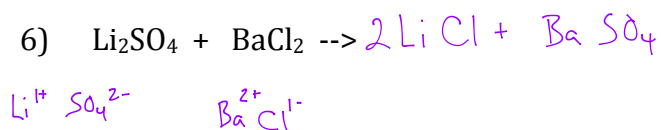
- Br_2 is not an ion but Br will form Br^- and anions replace anions. so Br^- will replace Cl^-

Single Replacement

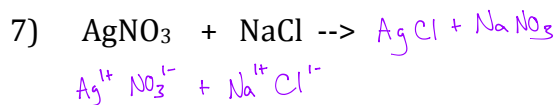


Single replacement

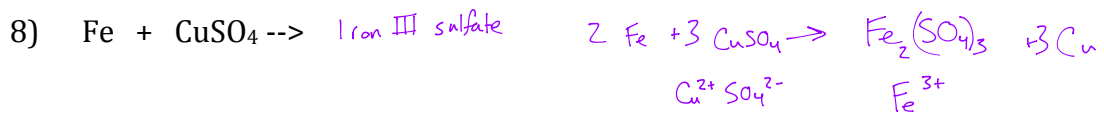
Zn is neutral but will form Zn^{2+} ; cations replace cations.



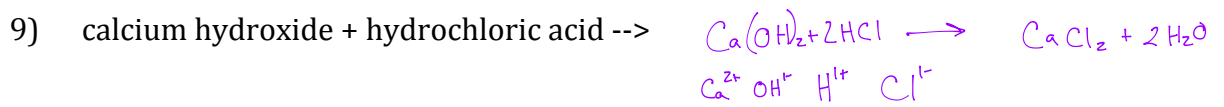
Double Replacement



Double Replacement



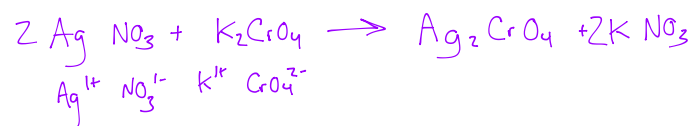
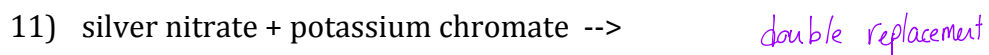
Single Replacement



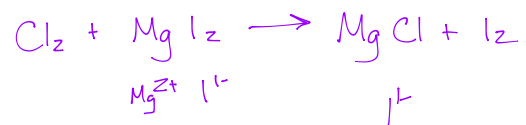
Double Replacement



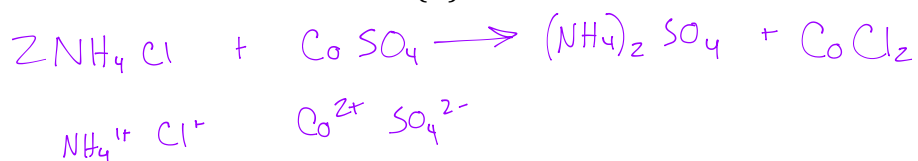
Single Replacement



12) chloride + magnesium iodide -->

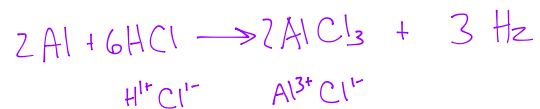


13) ammonium chloride + cobalt(II) sulfate -->

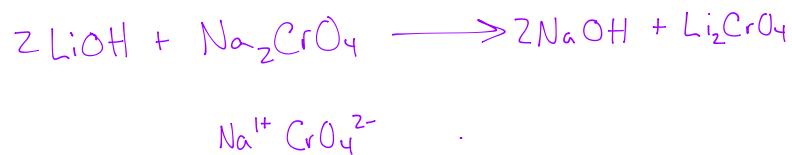


Double Replacement

★ 14) aluminum + hydrochloric acid -->



15) lithium hydroxide + sodium chromate -->



Double Replacement

Interpreting word problems

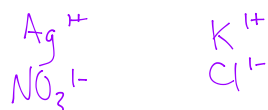
- 16) potassium reacts with nitrate to form potassium nitrate

Synthesis



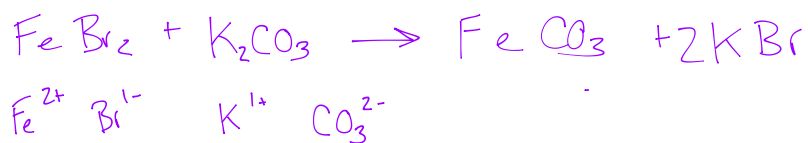
- 17) silver nitrate and potassium chloride react to form potassium nitrate and silver chloride.

Double Replacement



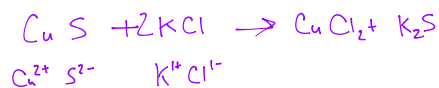
- 18) Iron II bromide reacts with potassium carbonate

Double Replacement



- 19) Copper II sulfide reacts with potassium chloride to form copper II chloride and potassium sulfide.

Double Replacement



Interpreting word problems

- 16) potassium reacts with nitrate to form potassium nitrate
- 17) silver nitrate and potassium chloride react to form potassium nitrate and silver chloride.
- 18) Iron II bromide reacts with potassium carbonate
- 19) Copper II sulfide reacts with potassium chloride to form copper II chloride and potassium sulfide.