

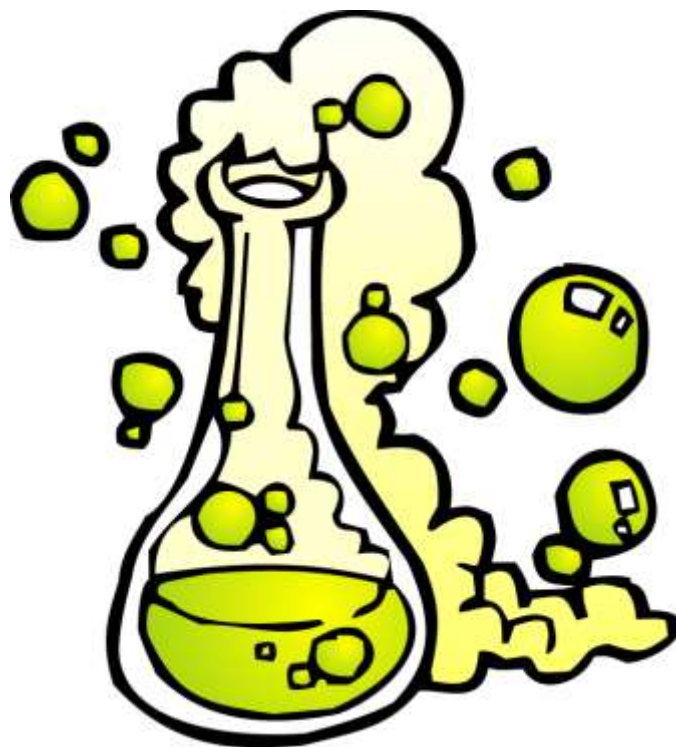
Replacement Reactions

Mr. Skirbst

4 Types of Chemical Reactions

1. SYNTHESIS

2. DECOMPOSITION



4 Types of Chemical Reactions

3. SINGLE-REPLACEMENT



4 Types of Chemical Reactions

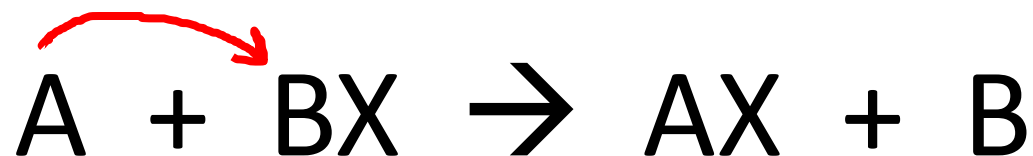
3. SINGLE-REPLACEMENT

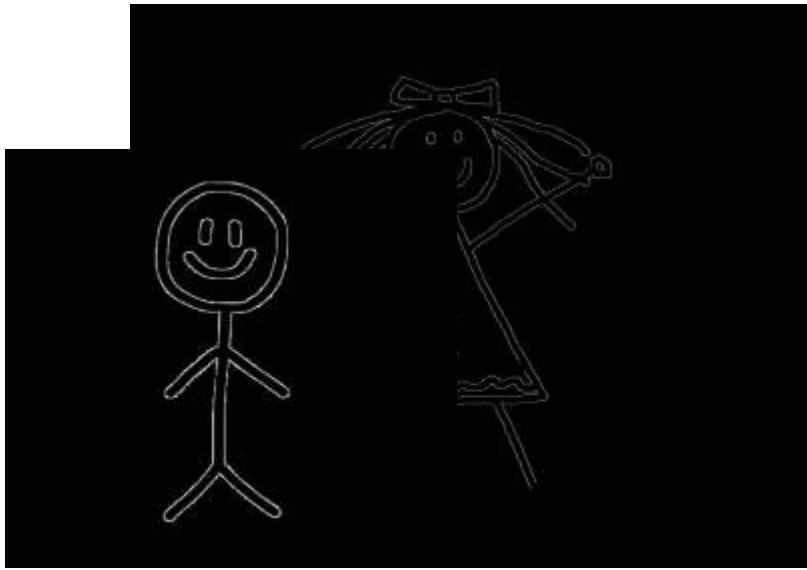
- an uncombined element replaces an element in a compound

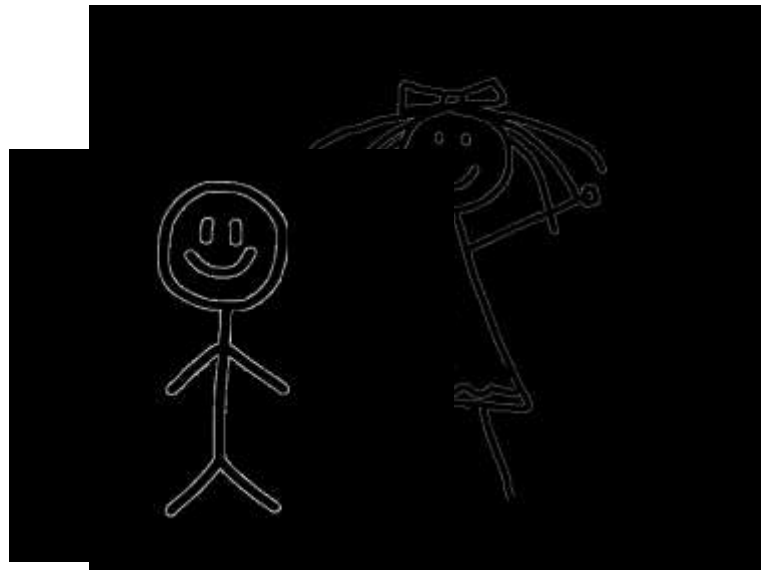
4 Types of Chemical Reactions

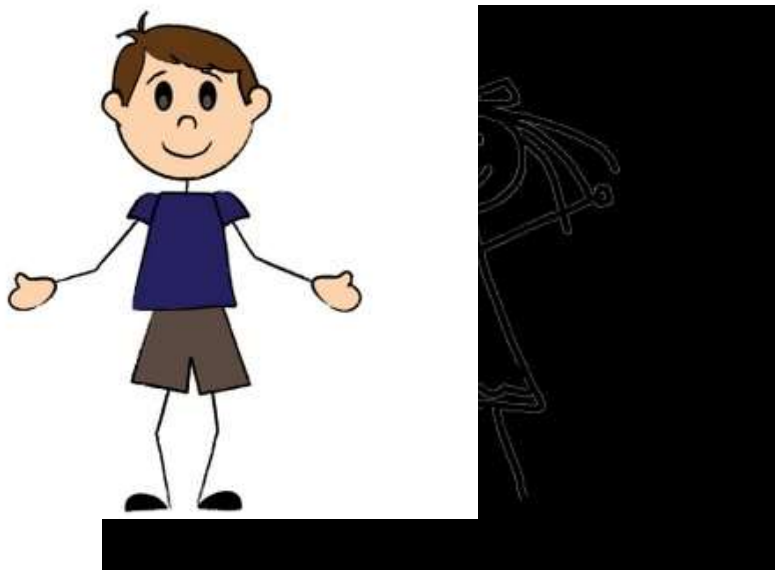
3. SINGLE-REPLACEMENT

- General Format:





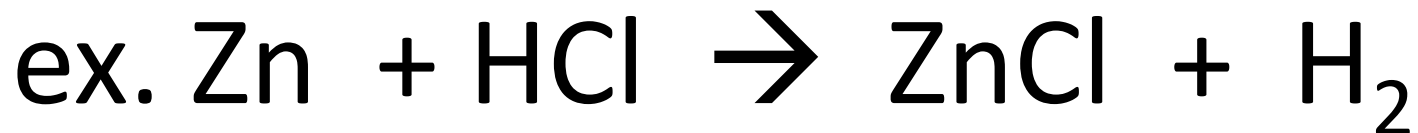
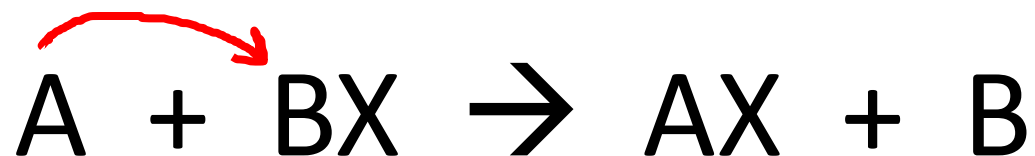


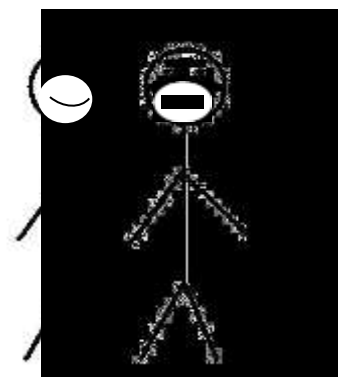
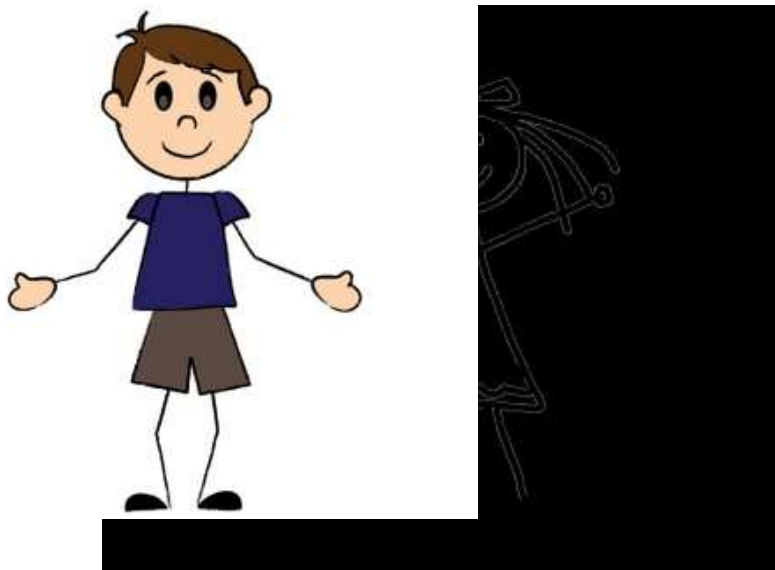


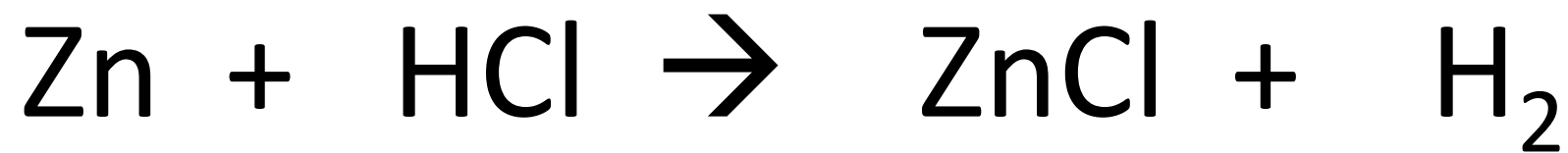
4 Types of Chemical Reactions

3. SINGLE-REPLACEMENT

- General Format:







4 Types of Chemical Reactions

4. DOUBLE-REPLACEMENT

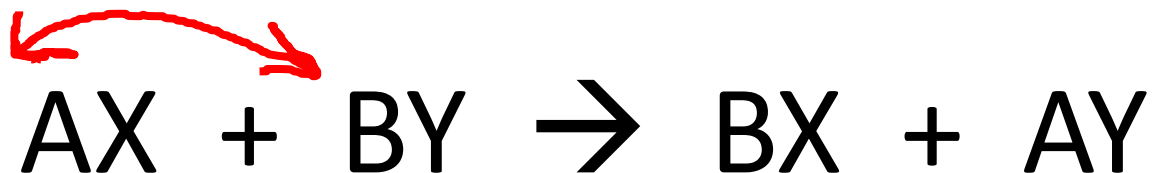
- two compounds react to form two new compounds



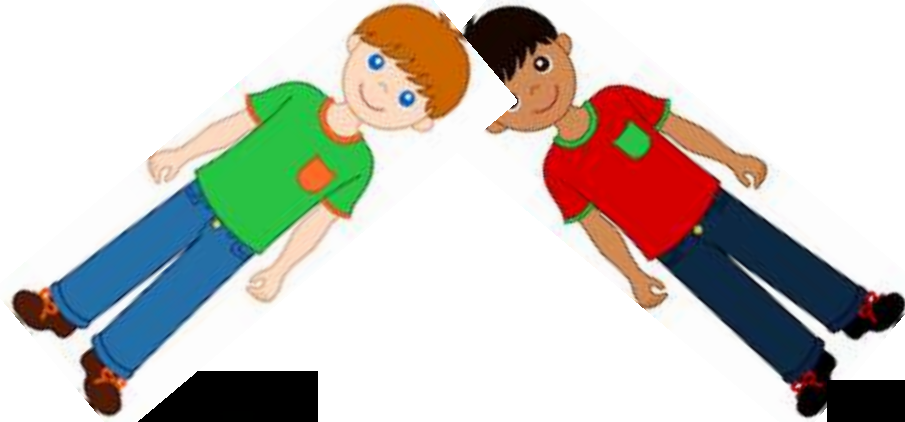
4 Types of Chemical Reactions

4. DOUBLE-REPLACEMENT

- General Format:





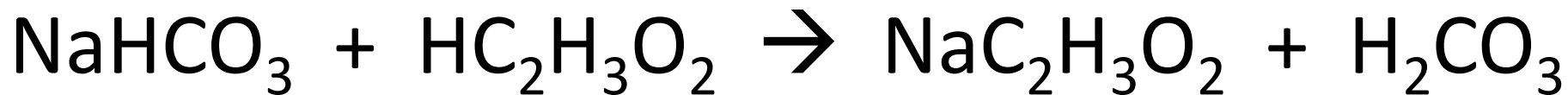
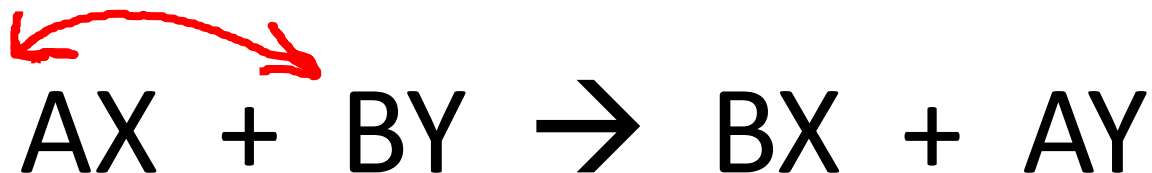


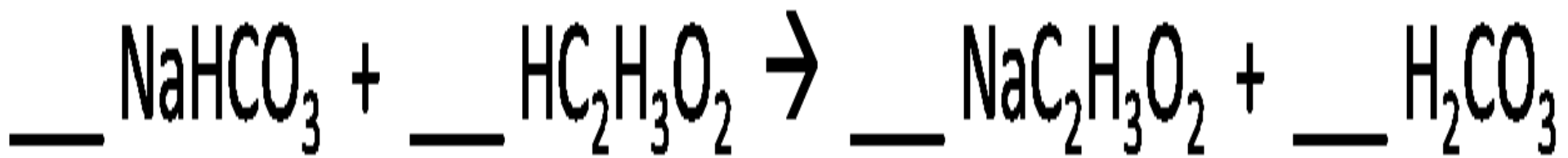


4 Types of Chemical Reactions

4. DOUBLE-REPLACEMENT

- General Format:



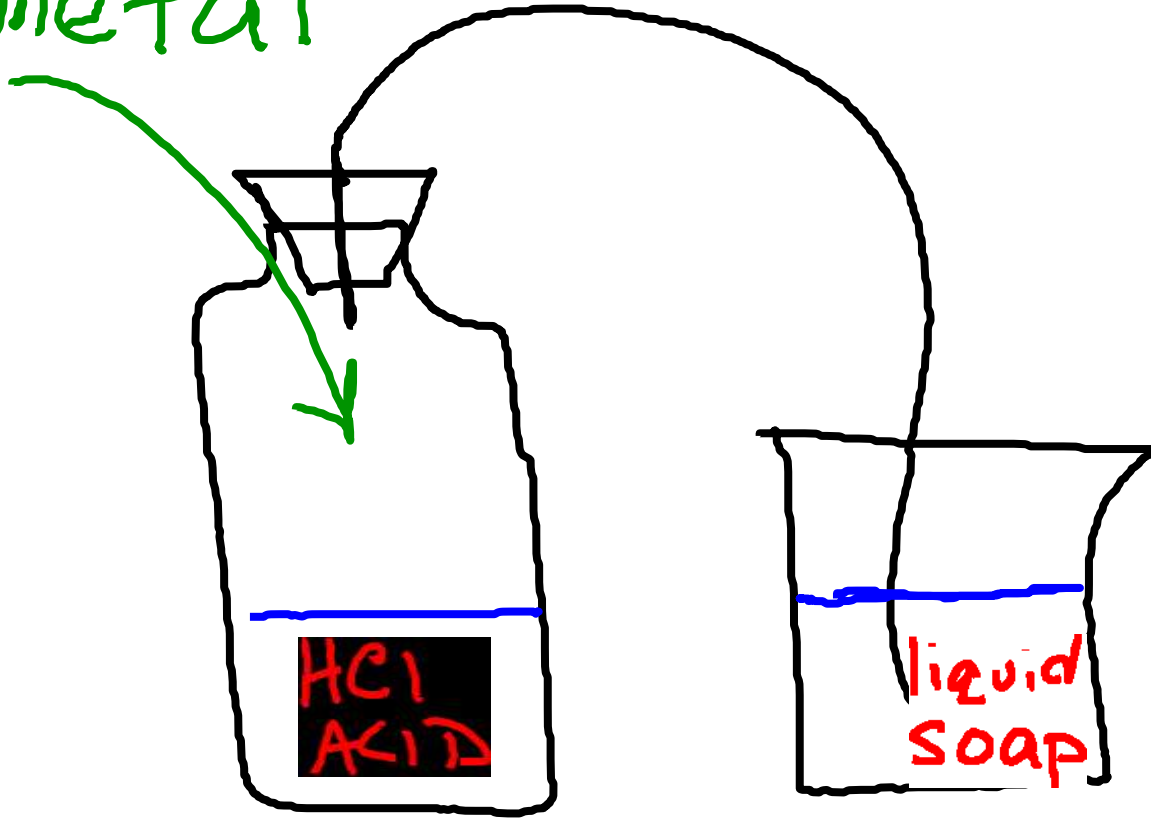


Single-Replacement Lab

Single-Replacement Lab



metal



Single-Replacement Lab



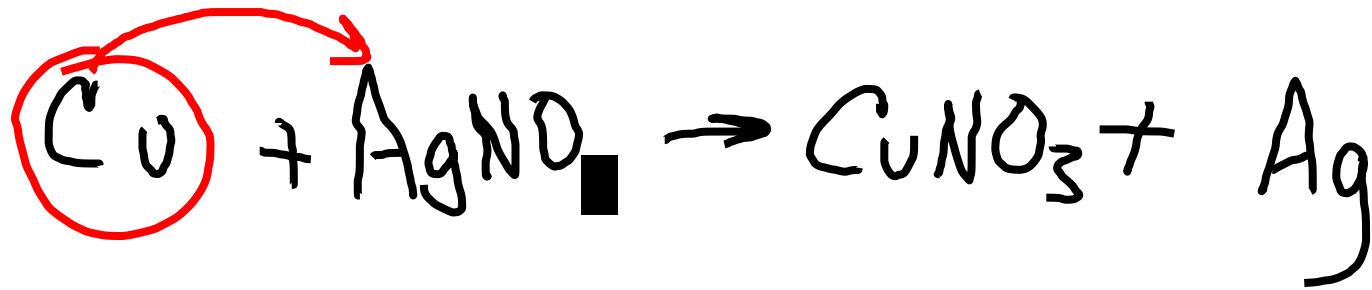
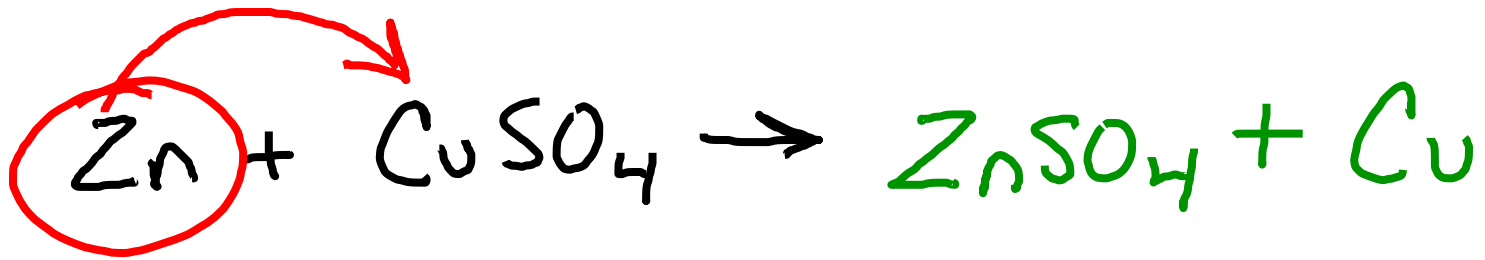
metal + HCl →

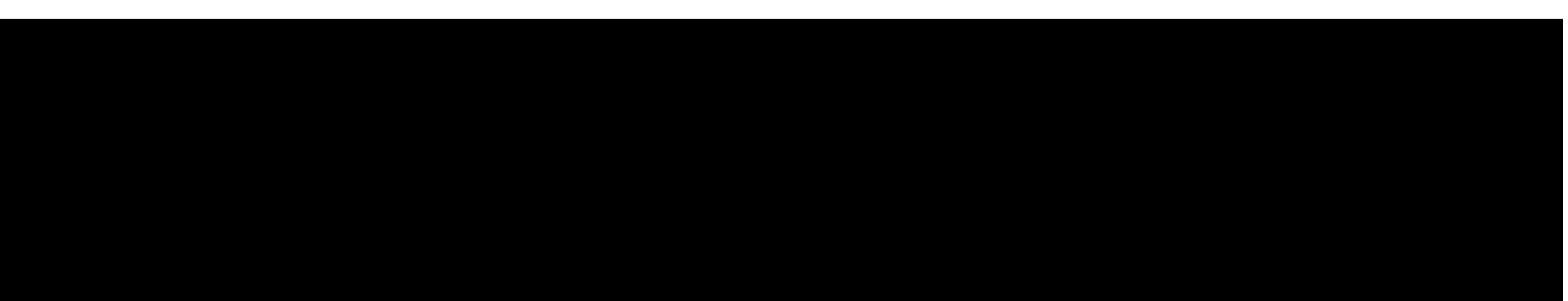
Al + HCl →

Cu + HCl →

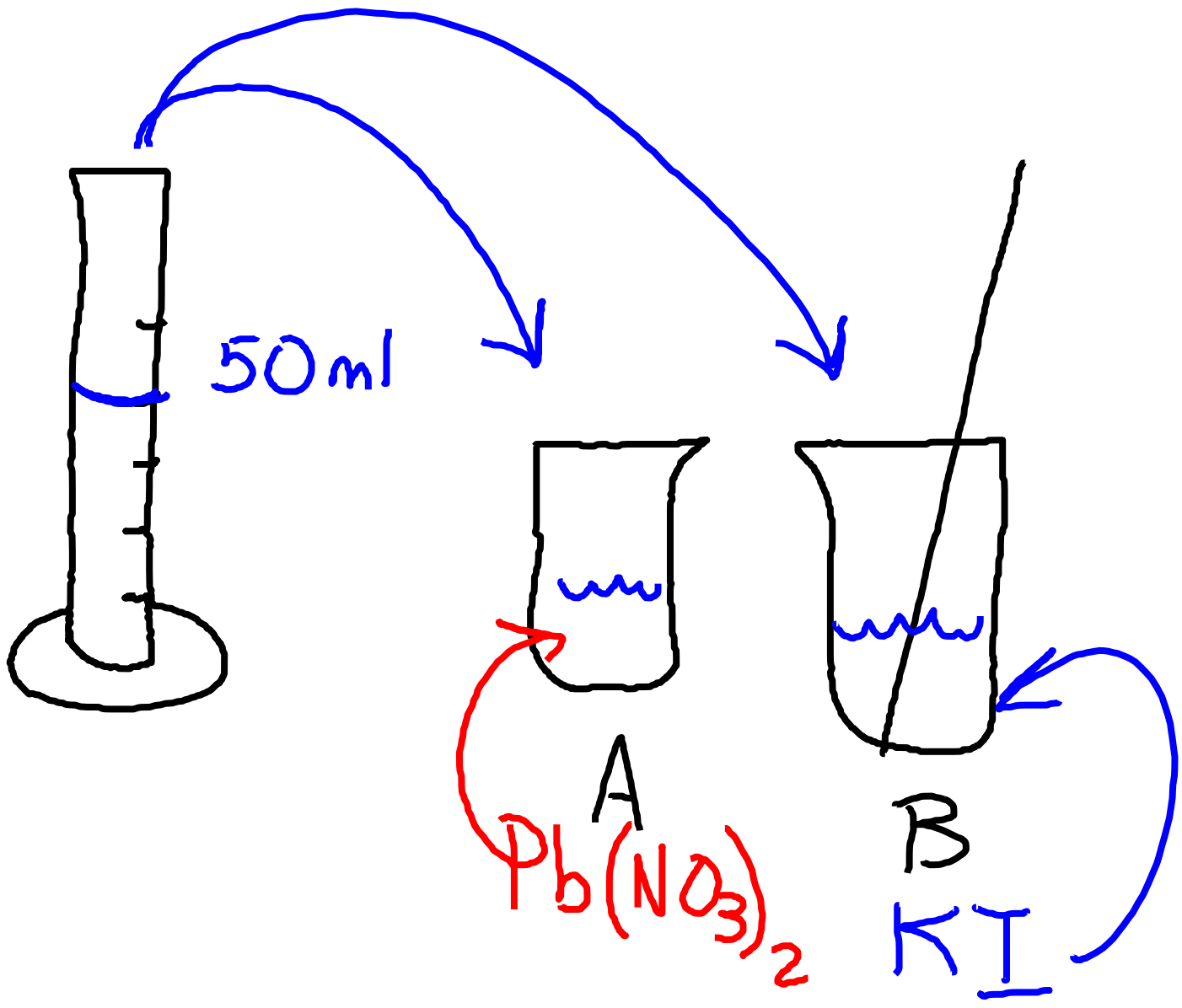
Mg + HCl →

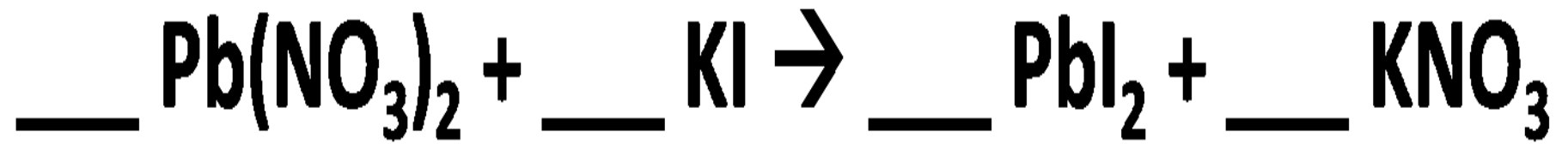
Zn + HCl →





Double-Replacement Reaction





Identify and Balance





