

(5)

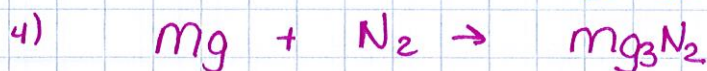
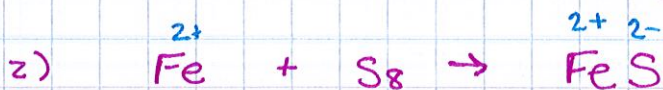
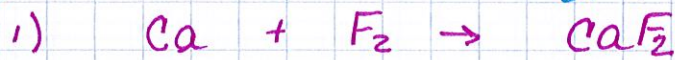
#### 4. Types of Reactions $\hat{=}$ Predicting Products

##### A. Synthesis (Combination)

- 2 reactants form 1 product (ionic)



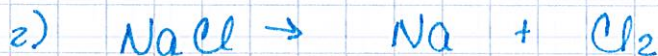
Ex)



a marriage

##### B. Decomposition

- 1 reactant forms 2 products  $\hat{=}$

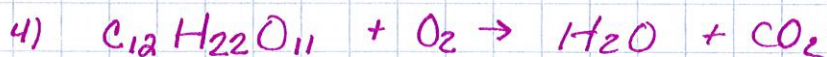
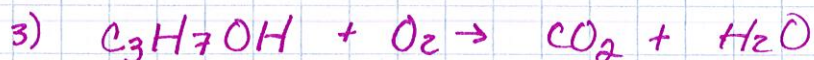
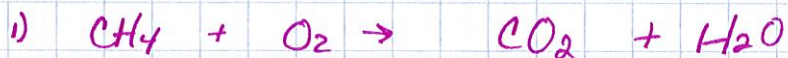


divorce

##### C. Combustion

- a hydrocarbon ( $\text{C}_x\text{H}_y$ ) reacts w/  $\text{O}_2$   
to form  $\text{CO}_2$  +  $\text{H}_2\text{O}$

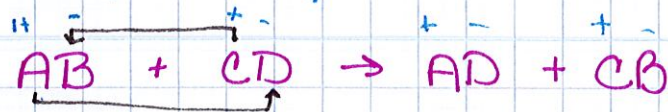
Ex)



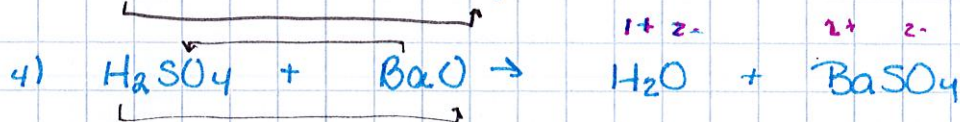
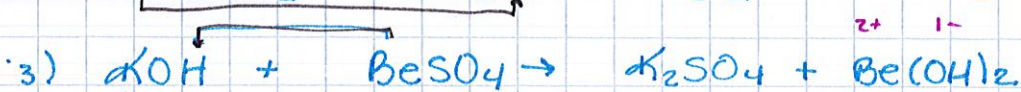
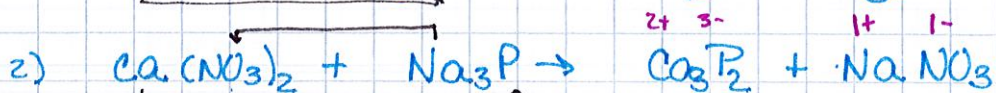
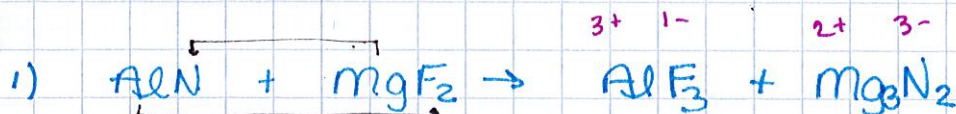


D. Double- Replacement (do-si-do)

- 2 ionic compounds switching ions

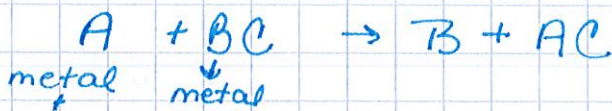


EX)



E. Single- Replacement

- a element replaces another in a compound



EX)

