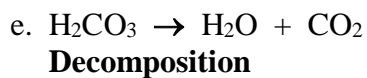
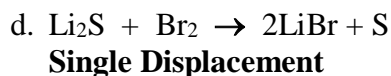
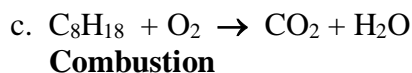
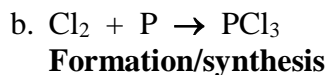
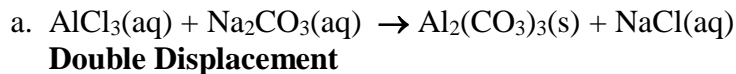
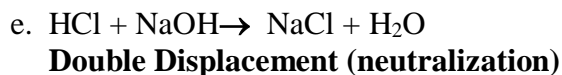
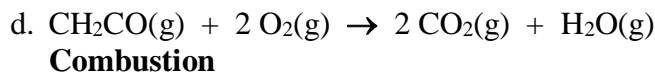
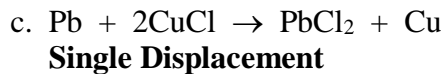
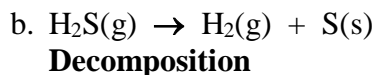
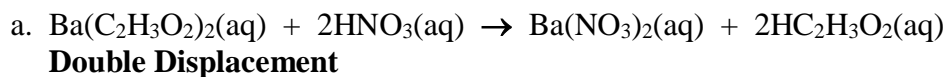


1. Identify the type of reaction each of the following belongs to.

In Class Activities:

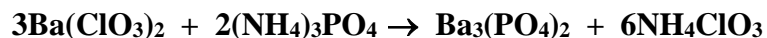


Outside of Class:

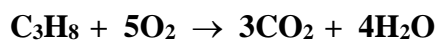


2. **Balance the Following Equations.** Remember tricks for combustion, single and double replacement reactions.

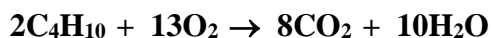
- a. Write out and balance the following equation describing the following reaction: Barium phosphate and ammonium chlorate are produced when ammonium phosphate reacts with barium chlorate.



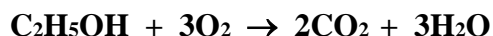
- b. Write out and balance the equation for the combustion of propane (C₃H₈)



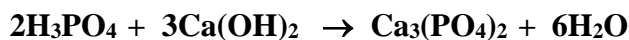
- c. Write out and balance the equation for the combustion of butane (C₄H₁₀)



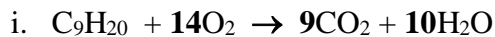
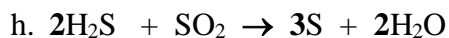
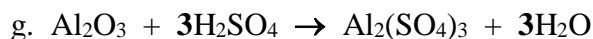
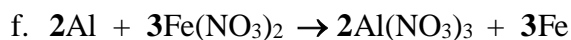
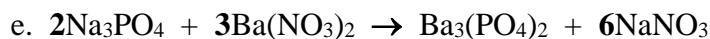
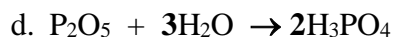
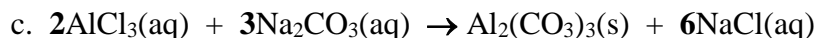
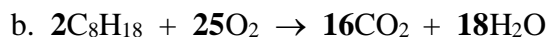
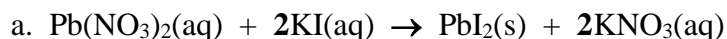
- d. Write out and balance the equation for the combustion of ethanol (C₂H₅OH)



- e. Write out and balance the equation describing the formation of calcium phosphate from the reaction of phosphoric acid and calcium hydroxide. Water is the other product.



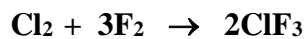
***Do the following problems on your own time.**



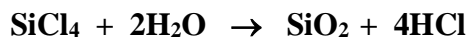
- j. Decomposition of ammonium carbonate into ammonia, carbon dioxide and water.



- k. Formation of Chlorine trifluoride from chlorine and fluorine



- l. Formation of Silicon dioxide and hydrochloric acid from silicon tetrachloride and water.



- m. Copper reacts with silver nitrate to form copper(II)nitrate and silver.

