

Honors Chemistry Predicting Products of Chemical Reactions

Predict the products of the reactions below. Then, write the balanced equation and classify the reaction by type. (including cationic or anionic sing. displacement and type of decomposition.)

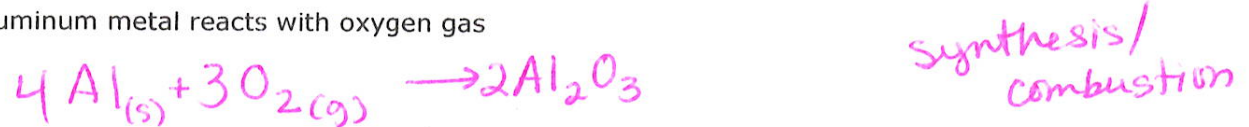
1. magnesium bromide reacts with chlorine gas



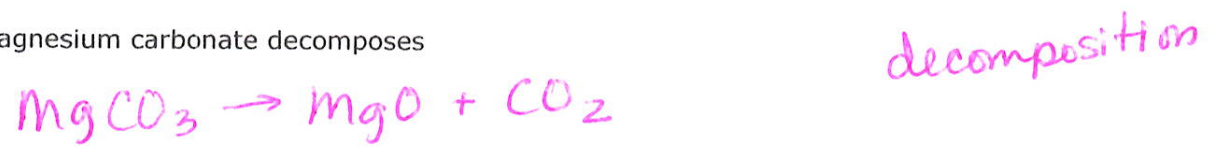
2. lead (II) acetate reacts with hydrosulfuric acid



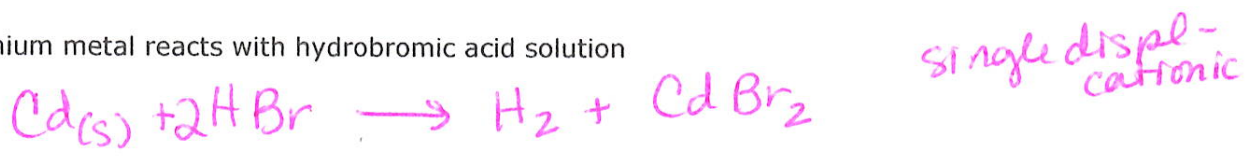
3. aluminum metal reacts with oxygen gas



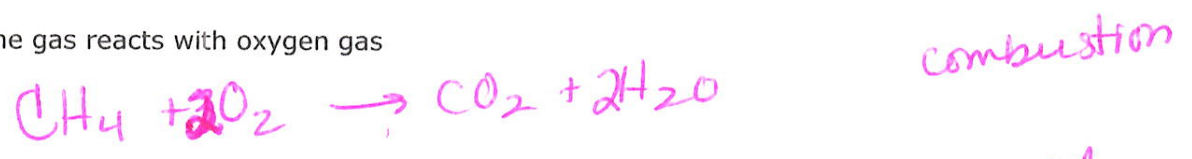
4. solid magnesium carbonate decomposes



5. cadmium metal reacts with hydrobromic acid solution



6. methane gas reacts with oxygen gas



7. potassium hydroxide reacts with iron (II) nitrate



8. barium hydroxide decomposes when heated



9. copper (II) chloride decomposes under electrolysis



10. magnesium oxide reacts with water

