

EQUATIONS WORKSHEET

NAME

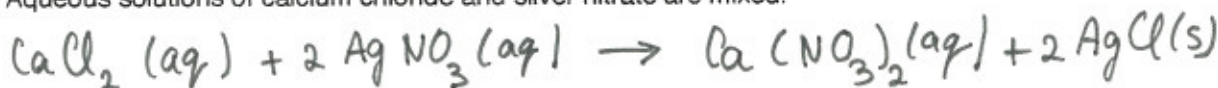
Key

Last

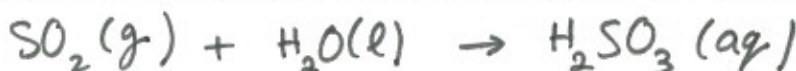
First

- A) Write balanced chemical equations for the reactions given below.
 B) Classify the reaction type as a) combination, b) decomposition, c) single-replacement, d) double-replacement, or e) combustion.
 C) Write the physical state for each reactant and product.

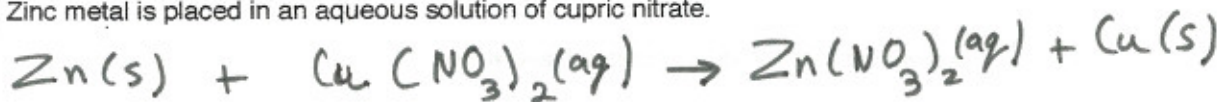
D 1) Aqueous solutions of calcium chloride and silver nitrate are mixed.



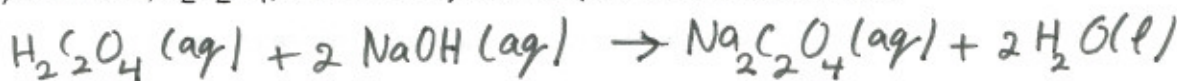
A 2) Sulfur dioxide gas is bubbled through liquid water forming sulfurous acid.



C 3) Zinc metal is placed in an aqueous solution of cupric nitrate.



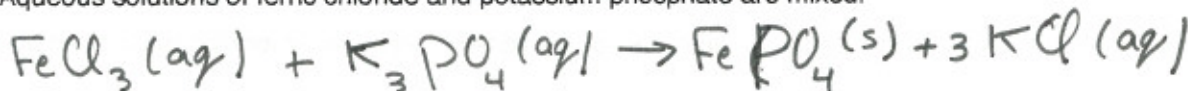
D 4) Oxalic acid, $\text{H}_2\text{C}_2\text{O}_4$, and sodium hydroxide aqueous solutions are mixed.



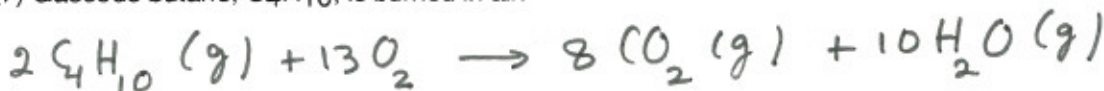
B 5) Solid cupric hydroxide is heated.



D 6) Aqueous solutions of ferric chloride and potassium phosphate are mixed.



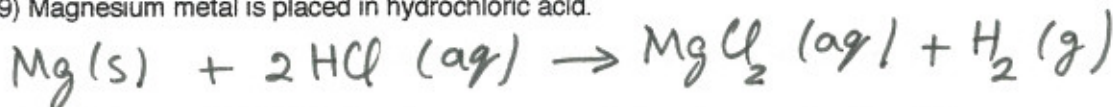
E 7) Gaseous butane, C_4H_{10} , is burned in air.



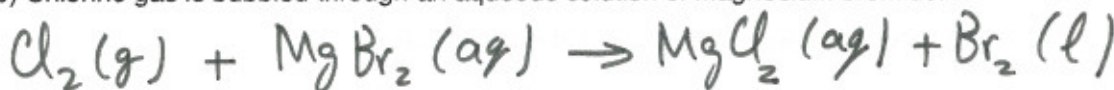
B 8) Molten sodium chloride is decomposed by applying electric energy.



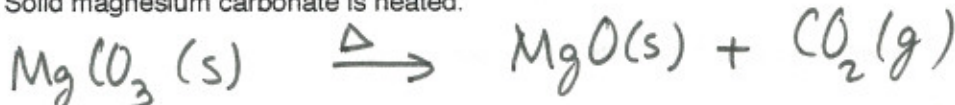
C 9) Magnesium metal is placed in hydrochloric acid.



C 10) Chlorine gas is bubbled through an aqueous solution of magnesium bromide.

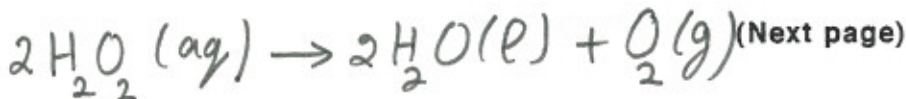


B 11) Solid magnesium carbonate is heated.

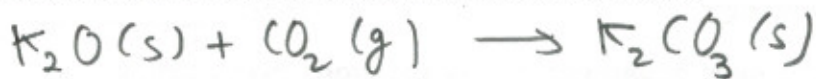


B 12) Decomposition of aqueous hydrogen peroxide in the presence of manganese dioxide

catalyst.



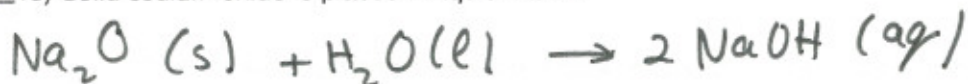
A 13) Solid potassium oxide is mixed with carbon dioxide gas.



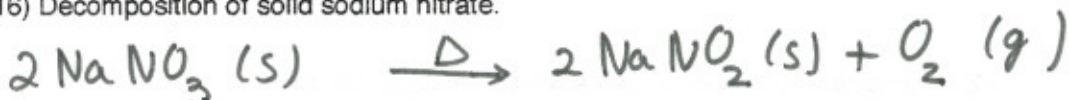
C 14) Sodium metal is placed in liquid water.



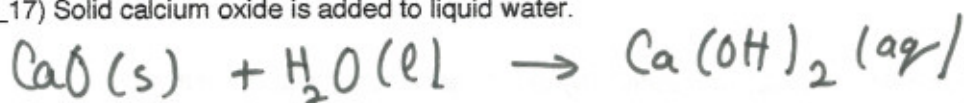
A 15) Solid sodium oxide is placed in liquid water.



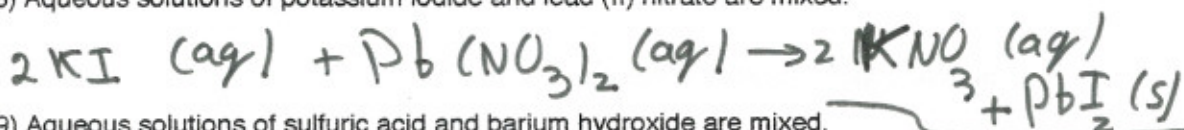
B 16) Decomposition of solid sodium nitrate.



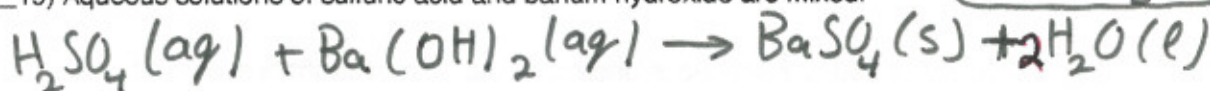
A 17) Solid calcium oxide is added to liquid water.



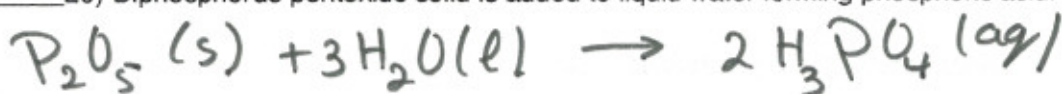
D 18) Aqueous solutions of potassium iodide and lead (II) nitrate are mixed.



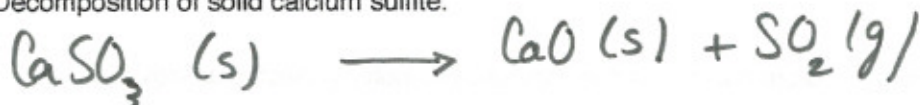
D 19) Aqueous solutions of sulfuric acid and barium hydroxide are mixed.



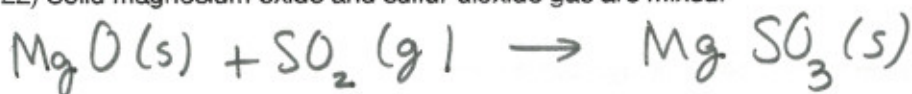
A 20) Diphosphorus pentoxide solid is added to liquid water forming phosphoric acid.



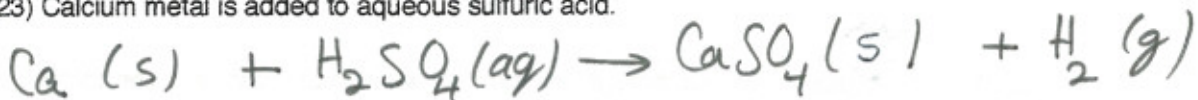
B 21) Decomposition of solid calcium sulfite.



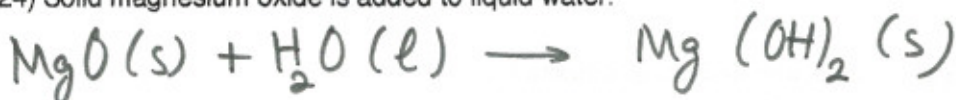
A 22) Solid magnesium oxide and sulfur dioxide gas are mixed.



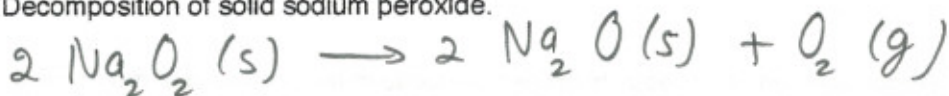
C 23) Calcium metal is added to aqueous sulfuric acid.



A 24) Solid magnesium oxide is added to liquid water.



B 25) Decomposition of solid sodium peroxide.



B 26) Decomposition of potassium chlorate.

