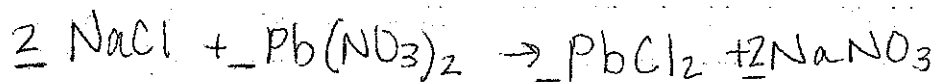
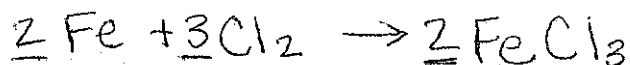


Substitute symbols and formulas for words, then balance each equation.

1. sodium chloride + lead (II) nitrate → lead (II) chloride + sodium nitrate



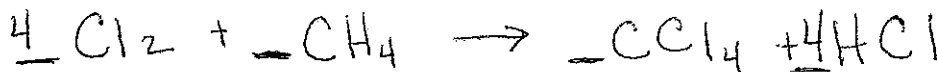
2. iron + chlorine → iron (III) chloride



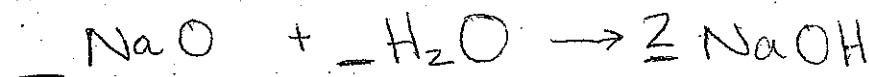
3. barium + water → barium hydroxide + hydrogen



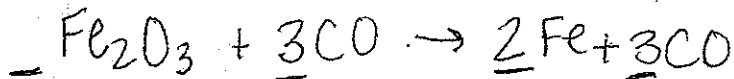
4. When chlorine gas reacts with methane, carbon tetrachloride and hydrogen chloride are produced.



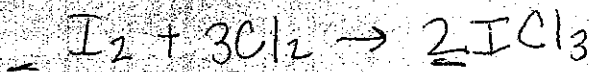
5. When sodium oxide is added to water, sodium hydroxide is produced.



6. In a blast furnace, iron (III) oxide and carbon monoxide gas produce carbon dioxide gas and iron.



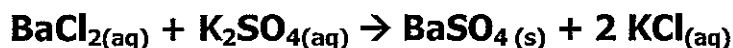
7. Iodine crystals react with chlorine gas to produce iodine trichloride.



Word Equations Worksheet - Solutions

Write the equations for the following chemical reactions:

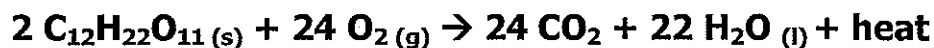
- 1) When dissolved barium chloride reacts with dissolved potassium sulfate in water, barium sulfate precipitate and aqueous potassium chloride are made.



- 2) When calcium chloride and potassium phosphate are dissolved in water they react to form aqueous potassium chloride and calcium phosphate powder.



- 3) When sucrose ($\text{C}_{12}\text{H}_{22}\text{O}_{11}$) burns in oxygen, carbon dioxide, water and heat are produced.



- 4) When dissolved calcium hydroxide reacts with sulfuric acid (H_2SO_4), a precipitate of calcium sulfate, water, and heat are formed.



- 5) When sodium metal reacts with iron (III) chloride, iron metal and sodium chloride are formed.

