



## Word Equations

**DIRECTIONS:** Write the chemical equation for each of the following chemical reactions.

- 1) When dissolved beryllium chloride reacts with dissolved silver nitrate in water, aqueous beryllium nitrate and silver chloride powder are made.



double replacement

- 2) When isopropanol ( $\text{C}_3\text{H}_8\text{O}$ ) burns in oxygen, carbon dioxide, water, and heat are produced.



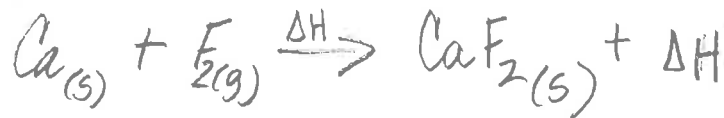
combustion

- 3) When dissolved sodium hydroxide reacts with sulfuric acid ( $\text{H}_2\text{SO}_4$ ), aqueous sodium sulfate, water, and heat are formed.



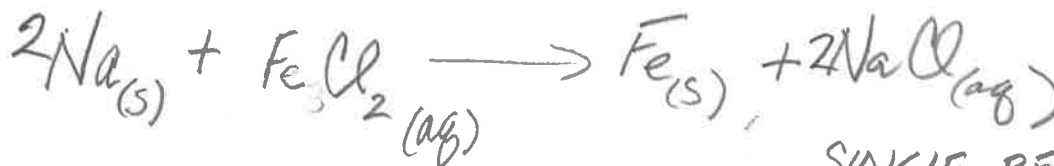
double replacement

- 4) When fluorine gas is put into contact with calcium metal at high temperatures, calcium fluoride powder is created in an exothermic reaction.



SYNTHESIS

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



SINGLE REPLACEMENT

**"Energy and Persistence conquer all things."**

- Benjamin Franklin