

Writing Balanced Equations

1) aluminum hydroxide + sodium nitrate $\rightarrow$ aluminum nitrate + sodium hydroxide

2) potassium chloride + silver nitrate $\rightarrow$ potassium nitrate + silver chloride

3) iron metal + copper (II) sulfate $\rightarrow$ iron (II) sulfate + copper metal

4) aluminum metal + copper (II) chloride $\rightarrow$ aluminum chloride + copper metal

5) sodium chlorate $\rightarrow$ sodium chloride + oxygen gas

6) zinc metal + oxygen gas $\rightarrow$ zinc oxide

7) chlorine gas + sodium metal $\rightarrow$ sodium chloride

8) aluminum sulfate + barium chloride $\rightarrow$ aluminum chloride + barium sulfate

9) calcium carbonate $\rightarrow$ calcium oxide + carbon dioxide gas

10) sodium bicarbonate* $\rightarrow$ sodium carbonate + carbon dioxide + water

*also known as “sodium hydrogen carbonate”