

Name - \_\_\_\_\_

Period - \_\_\_\_\_

Date - \_\_\_\_\_

### Writing Chemical Equations

Rewrite the word equations as balanced chemical equations.

1. Sodium + water ----> sodium hydroxide + hydrogen
2. Hydrogen + sulfur ----> hydrogen sulfide
3. Iron(III) chloride + calcium hydroxide ----> iron(III) hydroxide + calcium chloride
4. Carbon + oxygen ----> carbon monoxide
5. Potassium nitrate ----> potassium nitrite + oxygen
6. Potassium chlorate ----> potassium chloride + oxygen
7. Aluminum nitrate + sodium hydroxide ----> aluminum hydroxide + sodium nitrate
8. Barium chloride + sodium sulfate ----> sodium chloride + barium sulfate
9. Iron(III) oxide + carbon monoxide ----> iron + carbon dioxide
10. Calcium oxide + diphosphorus pentoxide ----> calcium phosphate
11. Magnesium chloride + silver nitrate ----> magnesium nitrate + silver chloride
12. Bromine + calcium iodide ----> calcium bromide + iodine
13. Ammonium nitrite ----> nitrogen + water
14. Ammonia(NH<sub>3</sub>) + oxygen ----> nitrogen monoxide + hydrogen
15. Iron(III) bromide + ammonium sulfide ----> iron(III) sulfide + ammonium bromide