

Name: _____ Date: _____ Period: _____

**Balancing Equations
Worksheet III**

For each of the following, write the correct chemical equation and **BALANCE** it!

1. Aluminum plus bromine yields aluminum bromide.
2. Oxygen plus iron yields iron III oxide.
3. Zinc plus hydrochloric acid yields hydrogen plus zinc chloride.
4. Magnesium plus hydrogen phosphate yields hydrogen plus magnesium phosphate.
5. Ammonium hydroxide yields ammonia plus water.
6. Aluminum oxide yields aluminum plus oxygen.
7. Potassium chlorate yields potassium chloride plus oxygen.
8. Potassium plus water yields hydrogen plus potassium hydroxide.
9. Barium plus nitrogen yields barium nitride.
10. Copper plus sulfur yields copper I sulfide.

11. Aluminum iodide plus mercury II chloride yields aluminum chloride plus mercury II iodide.
12. Iron III chloride plus hydrogen phosphate yields iron III phosphate plus hydrochloric acid.
13. Tin IV chloride plus ammonium sulfide yields tin IV sulfide plus ammonium chloride.
14. Calcium bromide plus potassium hydroxide yields calcium hydroxide plus potassium bromide.
15. Silver nitrate plus potassium phosphate yields silver phosphate plus potassium nitrate.
16. Aluminum chloride plus barium hydroxide yields aluminum hydroxide plus barium chloride.
17. Calcium acetate plus sodium carbonate yields sodium acetate plus calcium carbonate.
18. Sodium phosphate plus zinc sulfate yields zinc phosphate plus sodium sulfate.
19. Potassium chromate plus aluminum chloride yields potassium chloride plus aluminum chromate.

20. C_2H_6 plus oxygen yields carbon dioxide plus water.
21. C_3H_8 plus oxygen yields carbon dioxide plus water.
22. Calcium iodide plus sulfuric acid yields calcium sulfate plus hydrogen iodide.
23. Manganese II sulfide plus lead IV chloride yields manganese II chloride plus lead IV sulfide.
24. Calcium plus phosphoric acid yields calcium phosphate plus hydrogen.
25. Iron plus nitric acid yields iron III nitrate plus hydrogen.