

WORD EQUATIONS

Name _____

Write and balance the following chemical equations.

1. Hydrogen plus oxygen yield water.
2. Nitrogen plus hydrogen yield ammonia.
3. Aluminum bromide plus chlorine yield aluminum chloride and bromine.
4. Hydrochloric acid plus sodium hydroxide yield sodium chloride plus water.
5. Iron plus lead (II) sulfate react forming iron (II) sulfate plus lead.
6. Potassium chlorate when heated produces potassium chloride plus oxygen gas.
7. Sulfuric acid decomposes to form sulfur trioxide gas plus water.
8. Sodium oxide combines with water to make sodium hydroxide.
9. Potassium iodide reacts with bromine forming potassium bromide plus iodine.
10. Sodium phosphate reacts with calcium nitrate to produce sodium nitrate plus calcium phosphate.
11. Zinc reacts with iron (III) chloride yielding zinc chloride plus iron precipitate.
12. Ammonium carbonate and magnesium sulfate react to yield ammonium sulfate plus magnesium carbonate.
13. Phosphoric acid plus calcium hydroxide react forming solid calcium phosphate plus water.
14. Aluminum plus oxygen gas form aluminum oxide under certain conditions.
15. Nitrogen gas plus oxygen gas react and form dinitrogen pentoxide.