

Practice on Word Equations

Turn each sentence into a word equation and then into a Chemical Equation

1. Calcium hydroxide and Hydrochloric acid produces calcium chloride and water.
2. Aluminum sulfate and calcium hydroxide produces aluminum hydroxide and calcium sulfate.
3. Zinc hydroxide combines with sulfuric acid to create zinc sulfate and water.
4. Barium chloride and potassium sulfate when combined produces potassium chloride and barium sulfate.
5. Ammonia burned in oxygen can produce water vapor and nitrogen dioxide gas.
6. Sodium phosphate and barium hydroxide produces sodium hydroxide and barium phosphate.

7. Copper and hydrogen nitrate when combined produces copper nitrate and water and nitrogen dioxide

8. Magnesium nitride and water produces magnesium hydroxide and nitrogen.

9. Hydrogen iodide reacts with hydrogen sulfate (sulfuric acid) to create hydrogen sulfide and iodine plus water.

10. Carbon hydroxide added to magnesium bicarbonate produces magnesium hydroxide plus calcium bicarbonate.

11. Manganese hydroxide added to hydrogen phosphate creates manganese phosphate and water.

12. Silicon oxide and calcium carbonate creates calcium silicate and carbon dioxide.

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.

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.