

Name: _____

Block: _____

Date: _____

Chemistry 11

Writing and Balancing Reactions

Assignment

Use the descriptions below to write and balance the chemical reaction described.

1. Calcium carbonate decomposes to form calcium oxide and carbon dioxide.
2. Zinc reacts with copper(II) nitrate to form zinc nitrate and copper.
3. Dinitrogen pentoxide reacts with water to produce nitric acid.
4. Carbon and zinc oxide react together to produce zinc and carbon dioxide.
5. Phosphorous reacts with bromine to produce phosphorous tribromide.
6. Calcium hydroxide and hydrogen gas are produced when calcium hydride and water are mixed together.
7. Sulphuric acid and potassium hydroxide react to produce potassium sulphate and water.
8. Propane (C_3H_8) is burnt and produces carbon dioxide and water.

9. Ammonium chloride and lead(III) nitrate react to produce ammonium nitrate and lead(III) chloride.

10. Aluminum carbonate and sodium chloride are produced when aluminum chloride and sodium carbonate are mixed together.

11. Chromium(III) sulphate reacts with potassium carbonate and forms chromium(III) carbonate and potassium sulphate.

12. Aluminum metal is exposed to oxygen and aluminum oxide forms.

13. Hydrogen gas reacts with nitrogen trifluoride to produce nitrogen gas and hydrofluoric acid.

14. Vanadium(V) oxide and calcium metal react to form calcium oxide and vanadium metal.

15. Calcium chloride, ammonia (NH_3) and water are all produced when ammonium chloride and calcium hydroxide are mixed together.