

Chemistry 20  
Chemical Reactions

For each of the following reactions, identify the reaction type, write the chemical equation and include the proper states.

1. Sodium reacts with aluminum chloride
2. Chlorine reacts with calcium bromide
3. Potassium carbonate reacts with barium chloride
4. Ammonium phosphate reacts with aluminum chloride
5. Mercury reacts with oxygen
6. Methane reacts with oxygen
7. Calcium chloride reacts with ammonium hydroxide
8. Chromium reacts with potassium permanganate

9. Sodium reacts with water
10. Potassium nitrate reacts with hydrochloric acid
11. Butane ( $C_4H_{10}$ ) reacts with oxygen
12. Calcium fluoride reacts with iodine
13. Gold reacts with zinc sulphate
14. Lead (II) hydroxide reacts with sodium bromide
15. Chromium reacts with nitrogen
16. Iron reacts with water
17. Potassium stearate reacts with calcium oxalate