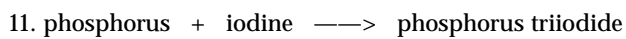
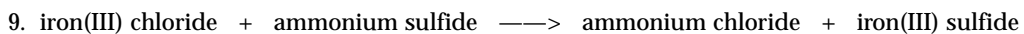
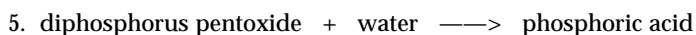
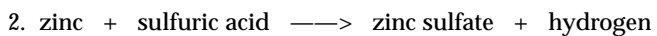


Equations Practice Sheet 1

Directions: Write the correct formula for each compound or element in the following word equation and then balance according to the Law of Conservation of Mass. Indicate, to the left of the number, the type of reaction each represents. (Use S, D, R and I rather than the name.)



12. calcium carbonate + hydrochloric acid \longrightarrow calcium chloride + carbon dioxide + water
13. lead(II) nitrate + sodium carbonate \longrightarrow lead(II) carbonate + sodium nitrate
14. aluminum + mercuric nitrate \longrightarrow aluminum nitrate + mercury
15. phosphoric acid + calcium hydroxide \longrightarrow calcium phosphate + water
16. copper(II) sulfide + oxygen \longrightarrow copper(II) oxide + sulfur dioxide
17. antimony + chlorine \longrightarrow antimony trichloride
18. potassium + water \longrightarrow potassium hydroxide + hydrogen
19. iron(III) oxide + aluminum \longrightarrow aluminum oxide + iron
20. sodium sulfite + acetic acid \longrightarrow sodium acetate + sulfur dioxide + water
21. mercury(II) oxide (heated) \longrightarrow mercury + oxygen
22. hydrogen + chlorine \longrightarrow hydrogen chloride
23. silver nitrate + aluminum chloride \longrightarrow silver chloride + aluminum nitrate

24. diphosphorus pentoxide + sodium hydroxide \longrightarrow sodium phosphate + water
25. ammonium hydroxide + sulfuric acid \longrightarrow ammonium sulfate + water
26. iron + hydrochloric acid \longrightarrow ferrous chloride + hydrogen
27. potassium chlorate (heated) \longrightarrow potassium chloride + oxygen
28. silicon + oxygen \longrightarrow silicon dioxide
29. copper(II) sulfide + hydrochloric acid \longrightarrow copper(II) chloride + hydrogen sulfide
30. sodium sulfate + strontium chloride \longrightarrow strontium sulfate + sodium chloride
31. aluminum + sulfuric acid \longrightarrow aluminum sulfate + hydrogen
32. sodium bicarbonate + hydrochloric acid \longrightarrow sodium chloride + carbon dioxide + water
33. calcium nitrite + hydrochloric acid \longrightarrow calcium chloride + nitrous acid
34. potassium bromide + chlorine \longrightarrow potassium chloride + bromine
35. ammonia + hydrogen chloride \longrightarrow ammonium chloride