Balancing Chemical Equations 2

1. Neutralisation

Acid + alkali → metal salt + water

Balance the following reactions and write ionic equations and net ionic equations.

Nitric acid reacts with potassium hydroxide

Sulfuric acid reacts with potassium hydroxide

1. Metal + acid

Metal + acid → metal salt + hydrogen

Balance the following reactions and write ionic equations, net ionic and half equations.

Sodium reacts with sulfuric acid

Sodium reacts with nitric acid

magnesium reacts with hydrochloric acid

1. Metal carbonate + acid

Metal carbonate + acid → metal salt + carbon dioxide + water

Balance the following reactions

Sodium carbonate reacts with nitric acid

magnesium carbonate reacts with nitric acid