

Making Salts: The following are the three ways you can make salts 1) metal + acid \rightarrow metal salt + Hydrogen 2) metal carbonate + acid \rightarrow metal salt + carbon dioxide + water (3) acid + alkali \rightarrow metal salt + water

Metal/Metal compound	Acid	Name of salt
Magnesium	Hydrochloric acid	Magnesium chloride
Lead oxide	Nitric acid	Lead nitrate
Copper oxide	Sulphuric acid	Copper sulphate
Potassium	Hydrochloric acid	Potassium chloride



Making salt – the diagram shows the 4 stages in making salt for example copper oxide reacting with sulphuric acid to give copper sulphate. Stage 1 you mix copper oxide and sulphuric acid and you stir the mixture. Step 2 you heat the mixture to ensure maximum copper oxide is dissolved. Step 3 filter any excess copper oxide which has not dissolved. Step 4 you leave the solution to crystallise to give copper sulphate salt.