

## IGCSE Chemistry Complete Revision Summary

### Extraction Of Metal

- a) Atomic Structure
- b) Periodic Table
- c) Structure and Bonding
- d) Quantitative Chemistry
- e) Chemical Changes
- f) Energy Changes

- Reactivity of Metals
- Reactivity Series
- Extraction of Metals
- Acids and Bases
- Neutralization
- Making Soluble Salts
- Making Insoluble Salts
- Titration
- Electrolysis
- Electrolysis of molten compounds
- Electrolysis of aqueous solutions
- Electrolysis of Aluminium

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METAL EXTRACTION

MINERALS

Minerals are the rocks which contains metal.

ROCKS

Rocks are the minerals from which metals can be extracted profitably.

REDUCTION OF METAL OXIDES

Since most of the metals exist in the form of oxides, they can be extracted by reducing the ore.

By HYDROGEN

All the metal below hydrogen can be reduced by hydrogen

BY CARBON

All metal below carbon can be extracted by carbon

BY ELECTROLYSIS

Metals that are above carbon and hydrogen will be extract by Electrolysis

KEY TERMS

Acids  
Bases  
Metals  
Reactivity Series  
Reduction  
Oxidation  
Alkali  
Salt  
Neutralization Reaction  
Indicators

TEST  
YOURSELF

pH scale  
Soluble Salts  
Insoluble Salts  
Electrolysis  
Electrode  
Anode  
Cathode  
Electrolyte  
Ionic compounds  
Cryolite  
Bauxite

Ore  
Metal Extraction

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