



Online Class Supporting Materials

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CLASS: 10

CHEMISTRY - 7

UNIT: PRODUCTION OF METALS

TOPIC: MINERALS AND ORES

- 1) Differentiate minerals and ores?
- 2) All minerals are not ores . Give reason.
- 3) Some metals and the name, formula of their ores are given in the table. Match A columns with B & C

Metal(A)	Name of ore(B)	Formula of ore (C)
Aluminium	Copper pyrites	Fe_2O_3
Iron	Bauxite	ZnS
Copper	Zinc blende	$\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$
Zinc	Haematite	CuFeS_2

TOPIC: CONCENTRATION OF ORE

1) Match A columns with B

Ore(A)	Method of Concentration(B)
Tinstone	Leaching
Bauxite	Froth floatation
Oxide ore	Magnetic separation
Zinc blende	Levigation

2) Complete the table.

Properties of Ores	Properties of Impurities	Method of Concentration
High density	_____	Hydraulic-washing
_____	Non magnetic	_____
Lighter sulphide ores	_____	Froth floatation
Aluminium ores that get dissolved in solution	Insoluble in the solution	_____