

THIRUVANANTHAPURAM EDUCATIONAL DISTRICT
CHAPTER 4 (MODULE 1)

CHEMISTRY
STANDARD X

MODULE 1 – PRODUCTION OF METALS



1. **The metallic compounds generally seen in the earth's crust are called minerals.**
Some of them are given below
Bauxite ($\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$), Cryolite (Na_3AlF_6), Clay ($\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$).

Name the metal common in these minerals

2. **A mineral from which a metal is economically, easily and quickly extracted, is called ore of the metal.**

Name the ore of that metal from the above minerals ?

3. All ores are minerals, but all minerals are not ores. Explain
4. Complete the following
Iron : Haematite
Zinc :
5. **Metallurgy** is the process that is used for the extraction of metals in their pure form from their ores. Name the three important stages in metallurgy