



INDIAN SCHOOL NIZWA - WORKSHEET

CHEMISTRY

CH: 5 GENERAL PRINCIPLES & PROCESSES OF ISOLATION OF ELEMENTS

Name: _____

Date: _____

Class: XII Sec: ____

Answer the following

1. What is slag?
2. Why is pine oil generally added in the froth floatation process?
3. What is the role of CO in Mond's process?
4. What is the role of con. NaOH in leaching of alumina from bauxite?
5. Give names and formulae of major ores of iron, copper and zinc.
6. Write the principle of electro-refining
7. Describe the method of refining of Zirconium and Titanium
8. Why is reduction of metal oxide easier if metal formed is in liquid state at temperature of reduction ?
9. Explain the following:-
 - (i) Zinc but not copper is used for recovery of Ag from the complex $[\text{Ag}(\text{CN})_2]^-$.
 - (ii) Partial roasting of sulphide ore is done in the metallurgy of copper.
 - (iii) Extraction of Cu from pyrites is difficult than that from its oxide ore through reduction
 - (iv) Role of silica in the extraction of copper from copper matte.
10. Explain the method for obtaining pig iron from magnetite.
11. Describe the principles of extraction of Zinc from zinc blende
12. Name the principal ore of aluminium and describe how Al is extracted from its ore.
13. Describe the principles of extraction of copper from its ore
14. What is the role of limestone in the extraction of iron from its oxides?