

Topics: Metals and Non-Metals**Subtopics: Occurrence of Metals****Questions**

1. Name two metals which are found in nature in the free state.
2. Define the following terms :
(i) Mineral, (ii) Ore and (iii) Gangue.
3. What chemical process is used for obtaining a metal from its oxide.
4. In the electrolytic refining of a metal M, what would you take as the anode, the cathode and the electrolyte ?
5. Carbonate and sulphide ores are usually converted into oxides during the process of extraction. Give reasons.
6. An ore on heating in air produces sulphur dioxide. Describe briefly any two steps involved in the conversion of this concentrated ore into related metal.
7. An ore on treatment with dilute hydrochloric acid produces brisk effervescence. What type of ore is this? What steps will be required to obtain metal from the enriched ore.
8. Write the chemical name of the coating that forms on silver and copper articles when these are left exposed to moist air.
9. Explain the process of galvanisation. What purpose is served by it?
10. Define an alloy. How are alloys prepared?