

CH- Metals and Non-metals

TEST

Q1. Fill in the blanks :

- a) Cu_2S acts as agent in bessemerisation process. [1]
- b) SO_2 is the product of of sulphide ores . [1]
- c) ZNO can be reduced by [1]
- d) Forms greenish layer due th basic copper carbonate . [1]

Q2. Why can zinc replace hydrogen from dilute hydrochloric acid ? [2]

Q3. a) Show on a diagram transfer of electrons between the atoms in the Formation of Mgo .

b) Write symbols of cation and anion present in Mgo . [2]

Q4. Why do non-metal do not conduct electricity whereas metals do ? Also, name one non-metal that conducts electricity. [2]

Q5. Write balanced chemical equation for the following :-

- a) Dilute hydrochloric acid reacts with sodium carbonate .
- b) Dilute sulphuric acid reacts with aluminium powder .
- c) Carbon dioxide is passed through lime water . [3]

Q6. Give the steps involved in the extraction of metals of low and medium reactivity from their respective ores . [3]

Q7. Why are ionic compounds usually hard ? How is it that ionic compounds in the solid state do not conduct electricity but they do so when in molten state ? [3]

Q8. On adding dilute HCL acid to copper oxide poeder the solution formed is blue-green in colour . Predict the new compound formed which imparts a blue-green colour to the solution . [3]

Q9. Give reasons for the following :-