

1. Which one of the following reacts with Aluminium is used to join railway tracks or cracked machine parts ? ( )  
 A) Iron oxide                      B) Iron (III) oxide  
 C) Iron (II) oxide                D) Iron (IV) oxide
2. Pyrolusite is an ore of ( )  
 A) Zn                                B) Al  
 C) Mn                                D) Mg
3. Which of the following is the outlet through which fuel gases go out the furnace ? ( )  
 A) Chimney                        B) Flux  
 C) Hearth                          D) Fire box
4. Which of the following is a method of improving the properties of a metal ? ( )  
 A) Galvanizing                    B) Smelting  
 C) Corrosion                      D) Alloying
5. Which of the following metals are moderately reactive ? ( )  
 A) Pb                                B) Fe  
 C) Zn                                D) All of these
6. Which of the following is the formula of calcium silicate ? ( )  
 A)  $\text{CaSiO}_3$                         B)  $\text{CaSiO}$   
 C)  $\text{CaSiO}_2$                         D)  $\text{CaSi}$
7. Which of the following process occurs in the presence of oxygen or air below its melting point ? ( )  
 A) Roasting                        B) Smelting  
 C) Calcination                    D) A and C
8. Generally which furnace is used for roasting ? ( )  
 A) Furnace  
 B) Blast furnace  
 C) Reverberatory furnace  
 D) All of these
9. The process of obtaining the pure metal from the impure metal is called ..... of the metal. ( )  
 A) Liquefaction                    B) Refining  
 C) Poling                            D) Distillation
10. Carnallite is an ore of ( )  
 A) Cu                                B) Al  
 C) Mg                                D) Zn
11. Which of the following process occurs in the absence of air ? ( )  
 A) Calcination                    B) Roasting  
 C) Smelting                        D) A and C
12. Which of the following one, we need to make gold hard ? ( )  
 A) Aluminium, Silver  
 B) Silver, Zinc  
 C) Zinc, Copper  
 D) Silver, Copper
13. Which of the following is an example of corrosion ? ( )  
 A) Development of green coating on copper  
 B) Rusting of iron  
 C) Tarnishing of silver  
 D) All of these
14. Which of the following is most common metal in the Earth's crust ? ( )  
 A) Zn                                B) Cu  
 C) Al                                 D) Mg
15. Which of the following are the ores of magnesium (Mg) ? ( )  
 A) Carnallite                        B) Magnesite  
 C) Epsom salt                      D) All of these
16. The reducing agent in thermite process is ( )  
 A) Al  
 C) Si                                 B) Fe  
 D) Mg