

ಎಸ್‌ಎಸ್‌ಎಲ್‌ಸಿ-ಇಂಗ್ಲಿಷ್ ಮಾಧ್ಯಮ

SCIENCE

METALS AND NON-METALS

FILL IN THE BLANKS:-

- xi] Process of giving a fine coating of zinc metal on iron metal is known as
- xii] Coke used during smelting of iron acts as fuel as well as agent.

Answers:-

- i] less ii] more iii] hydrogen
iv] basic v] left-hand, middle vi] ore
vii] gangue or matrix viii] hydraulic washing
ix] froth floatation x] thermite
xi] galvanization xii] reducing

Multiple Choice Questions:-

- Which of the following metals can replace copper from a solution of copper sulphate?
a] Silver b] Gold
c] Zinc d] Platinum
- Which of the following metals does not react with dilute sulphuric acid to liberate hydrogen gas?
a] Calcium b] Zinc
c] Iron d] Silver
- Alloys of which of the following metals are light and are used for making aeroplanes?
a] Silver b] Tin
c] Aluminium d] Zinc
- A substance as hard as diamond is
a] SiC b] CaO
c] SiO₂ d] Cu₂O
- Which one of the following elements occur in free state?
a] Phosphorus b] Sulphur
c] Silicon d] Copper
- Which one of the following compounds is not an ionic compound?
a] Sodium chloride b] Calcium chloride
,, c] Carbon tetrachloride
d] Magnesium chloride
- Gold is soluble in.....
a] hydrochloric acid b] sodium hydroxide
c] nitric acid d] aqua regia
- Which of the following types of ores can be converted into oxide by calcinations?
a] Halide ores b] Carbonate ores
c] Fluoride ores d] Sulphide ores
- Which of the following metals does not react with mineral acids?
a] Cu b] Al c] Fe d] Zn
- When iron objects are dipped in molten zinc, a thin coating of zinc is formed on the surface of iron. This process is called
a] anodizing b] galvanizing
c] alloying d] painting
- The conductivity of metals Al, Ag and Cu increase in the order

- a] Cu < Al < Ag b] Al < Ag < Cu
c] Al < Cu < Ag d] Ag < Cu < Al

- Which of the following metals gives a black basic oxide on heating?
a] Copper b] Mercury
c] Iron d] Lead
 - An 18 carat gold contains
a] 15% impurities b] 25% impurities
c] 30% impurities d] 40% impurities
 - Which of the following metals liberate H₂ on reaction with dilute HNO₃?
a] Zn b] Cu
c] Mn d] None
 - The following compounds conduct electricity in aqueous solution. Which is a covalent compound?
a] CaCl₂ b] HCl
c] MgO d] LiF
 - An element reacts with oxygen to give a compound with a high melting point. This compound is also soluble in water. The element is likely to be -
a] calcium b] carbon
c] silicon d] iron
 - Food cans are coated with tin and not with zinc because -
a] zinc is costlier than tin.
b] zinc has a higher melting point than tin.
c] zinc is more reactive than tin.
d] zinc is less reactive than tin.
- Ans:- 1. c 2. d 3. c 4. a 5. b 6. c 7. d
8. b 9. a 10. b 11. c 12. a 13. b 14. c
15. B 16. a 17. C

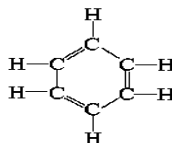
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Carbon and its Compounds

VERY SHORT ANSWER TYPE QUESTIONS

- Write the molecular formula of benzene and state the number of double bonds in its structure.

Ans: C₆H₆



It has three double bonds.

- Name the functional group present in each of the following organic compounds:
(i) C₂H₅Cl (ii) C₂H₅OH
Ans: (i) (-Cl) Halogen (Chloro)
(ii) (-OH) Alcohol
- Name the functional group present in each of the following compounds:
(i) HCOOH (ii) C₂H₅CHO
Ans: (i) -COOH (Carboxylic acid)
(ii) -CHO (Aldehyde)
- Name the functional group present in each of the following organic compounds:
(i) CH₃COCH₃ (ii) C₂H₅COOH