Metals and Non Metals

 Which of the following metals catch fire on reaction with air? Magnesium Manganese Potassium Calcium
2. Which of the following metals does not react even with steam.?A. SilverB. IronC. CalciumD. Sodium
 3. Identify the non-metal which exists in a liquid state in room temperature 25°C. A. Aluminium B. Mercury C. Iodine D. Bromine
 4. Which of the following pairs of compounds undergo displacement reaction when they react with each other? A. Cu and AgNO3 solution B. Ag and FeSO4 solution C. Cu and NaCl solution D. Mg and NaCl solution
 5. A reaction in which a more reactive metal replaces a less reactive metal from its salt solution is called a/an reaction. A. combination B. displacement C. double displacement D. addition
 6. Food cans are coated with tin and not with zinc because: A. Zinc is less reactive than tin. B. Zinc is more reactive than tin. C. Zinc has a higher melting point than tin. D. Zinc is costlier than tin.

7. Metals, except Al and Zn, react with oxygen to form oxides.A. acidicB. neutralC. amphotericD. basic
 8. Metals like zinc and aluminium react with sodium hydroxide to produce gas. A. hydrogen B. hydrogen sulphide C. oxygen D. sulphur dioxide
 9. The property by which metals can be beaten into sheets is known as A. ductility B. sonority C. lusture D. malleability
10. Pick the odd one from the following elements.A. GoldB. PotassiumC. CarbonD. Platinum
11. Bauxite is an ore ofa) Ironb) Aluminiumc) Mercuryd) Copper
12. In the given reaction, $Al_2O_3 + NaOH \rightarrowX + H_2O$ What is element X? a) $NaAlO_2$ b) Na_3Al c) Na_2O_3 d) $NaAl_2O_3$
 13. Which of the following represent the correct order of decreasing reactivity? a) Mg > Al > Zn > Fe b) Mg > Zn > Al > Fe c) Al > Zn > Fe > Mg

d) Mg > Fe > Zn > Al
14. 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) Ca(b) C(c) Si(d) Fe
15. Which of the following pairs of reactants will go undergo a displacement reaction? (a) $CuSO_4 + Fe$ (b) $ZnSO_4 + Fe$ (c) $MgSO_4 + Fe$ (d) $Ca(SO_4)_2 + Fe$
16. Which of the following alloys contains a non-metal as one of its constituents?(a) Steel(b) Brass(c) Amalgam(d) Bronze
17. Which of the given oxide(s) of iron would be obtained on prolonged reaction of iron with steam? A. FeO B. Fe_2O_3 C. Fe_3O_4 D. Fe_2O_3 and Fe_3O_4
 18. Which one of the given properties is not generally exhibited by ionic compounds? A. Solubility in water B. Electrical conductivity in solid state C. High melting and boiling points D. Electrical conductivity in molten state
19. Stainless steel is very useful material for our life. In stainless steel, iron is mixed with A. Ni and Cr B. Cu and Cr

C. Ni and Cu
D. Cu and Au
20. An allowis
20. An alloy is
A. An element
B. A compound
C. A homogeneous mixture
D. A heterogeneous mixture
21. Which among the given statements is incorrect for magnesium metal?
A. It burns in oxygen with a dazzling white flame
B. It reacts with cold water to form magnesium oxide and evolves hydrogen gas
C. It reacts with hot water to form magnesium hydroxide and evolves hydrogen gas
D. It reacts with steam to form magnesium hydroxide and evolves hydrogen gas
22. An element reacts with oxygen to give a compound with a high melting point. The
compound is soluble in water. The element is likely to be
A. Calcium
B. Carbon
C. Iron
D. Silicon
23. A greenish coating develops on copper utensils due to formation of
A. CuCO ₃
B. Cu(OH) ₂
C. Cu(OH) ₂ .CuCO ₃
D. CuO
24. Which among the given alloys contain non-metal as one of its constituents?
A. Brass
B. Amalgam
C. Gunmetal
D. None of these
25. Aluminum is used for making cooking utonsils. Which of the following properties of
25. Aluminum is used for making cooking utensils. Which of the following properties of aluminum are responsible for the same?
מומווווומווו מוכ וכסטטוסוטוב וטר מוב סמוווב:

- (a) Good thermal conductivity
- (b) Good electrical conductivity
- (c) Ductility
- (d) High melting point
- A. (A) & (B)
- B. (A) & (C)
- C. (B) & (C)
- D. (A) & (D)

Answers key

1. C	2. A	3. B	4. A	5. B	6. B	7. D	8. A
9. D	10. C	11. B	12. A	13. A	14. A	15. A	16. A
17. C	18. B	19. A	20. C	21. B	22. C	23. A	24. B
25. D							