

VISWABHARATHI WISEWOODS

METALS AND NON-METALS - PRACTICE SHEET

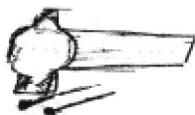
GRADE : VII – VIII

SUBJECT : CHEMISTRY

I. Answer the following questions :

1. Name some common non-metals used in our daily life.
2. Hardest naturally occurring substance.
3. Property of metals which make them useful as electric wires.
4. Non – metal which has metallic luster.
5. Two non metals which are soft solids.
6. Non metals do not conduct electricity or heat except for one . Name it.
7. An allotrope of carbon which is as tensile as steel.
8. Metals that are not attacked by cold water, boiling water or steam.
9. The property of metals by virtue of which these can be beaten into sheets.
10. Non metals used in disinfection of drinking water.
11. Following diagrams explain which Properties of metals.

Beating iron nail with hammer



Passing electricity through any Material



12. Write any three differences between metals and non-metals on the basis of following characters :

Property	Metal	Non-Metal
(a) Appearance	_____	_____
(b) Conduction of heat	_____	_____
(c) Malleability	_____	_____
(d) Ductility	_____	_____

II. Answer the following (in one or two words) :

13. What are the elements called which can neither fit with metals nor non metals?
14. Which of the following metals is the best conductor of heat and electricity?
Gold, Silver, Copper, Aluminum
15. Which property of metals makes them useful as ringing bells?
16. Arrange the following elements in order of increasing reactivity.
Sodium, Magnesium, Copper, Zinc, Aluminum
17. An oxide solution of which of the following elements will turn blue litmus red.
18. Which non-metal is used in making pencil lead?
19. Identify the most reactive and least reactive metal amongst the following
Aluminum, Potassium, Copper, zinc, Gold
20. State the nature of oxides of non-metals.
21. Give an example of neutral oxide .
22. Which non metal is kept under water and why?

III. Fill in the Blanks :

23. The number of metals is much _____ than non metals.
24. The smallest unit of an element is known as _____.
25. Metals like _____ and _____ exist in liquid state.
26. Elements which do not react chemically are known as _____.
27. Oxides of metals which are acidic as well as basic in nature are called _____ oxides.
28. Materials having properties of both metals and non-metals _____.
29. The property of metals due to which they produce sound _____.
30. The property of metals due to which they can be beaten into sheets _____.
31. Nature of metal oxides is _____.
32. The property of metals by virtue of which they can be drawn into wires _____.
33. Name the following type of reaction :-
Copper sulphate ($CuSO_4$) + Zinc (Zn) = Zinc Sulphate ($ZnSO_4$) + Cu (Copper)
_____ (Displacement / addition)

IV. Multiple choice questions :

34. Pb is the symbol of _____ ()
A) Copper B) Phosphorus C) Lead
35. Helium, Neon, Argon are _____ ()
A) Metals B) Noble gases C) Metalloids
36. Which of the following metal burns with dazzling white flame? ()
A) Sodium B) Potassium C) Magnesium
37. Which of the following displaces Hydrogen on reaction with dilute mineral acids? ()
A) Silver B) Sodium C) Sulphur
38. Metals which are used for making electric wires and cooking vessels- ()
A) Copper and Aluminum B) Copper and Iron C) Aluminium
39. Non metals which is used in making microchips ()
A) Carbon B) Silicon C) Sulphur
40. Metals which can be cut with knife. ()
A) Iron B) Calcium C) Sodium
41. Compounds of which non-metal are used as fertilizers ()
A) Chlorine B) Nitrogen C) Phosphorus
42. Alloys of which of the following metal are used for making aero planes and automobile engine. ()
A) Copper B) Aluminum C) Iron
43. Metals react with oxygen to form their oxides which are generally. ()
A) Neutral in nature B) Acidic in nature C) Basic in nature
44. Which gas burns with a pop sound? ()
A) Hydrogen B) Nitrogen C) Oxygen D) Carbondioxide
45. The property of metals, due to which they can drawn into wires. ()
A) Conductance B) Sonorous C) Ductility D) Malleability
46. Nature of metal oxide is : ()
A) Basic B) Acidic C) Neutral D) None of these
47. Non-metal, solution of which is used as an antiseptic on wounds. ()
A) Potassium Dichromate B) Potassium permanganate
C) Sodium chloride D) Copper Sulphate