

Chapter 4

MULTIPLE CHOICE QUESTIONS

- | | | | |
|------|-------|-------|-------|
| 1. b | 2. d | 3. d | 4. c |
| 5. b | 6. a | 7. d | 8. b |
| 9. c | 10. a | 11. a | 12. b |

VERY SHORT ANSWER QUESTIONS

13. (i) sodium (ii) potassium
14. oxygen gas
15. (i) nitrogen (ii) phosphorus
16. chlorine
17. iodine
18. No, because displacement reaction does not takes place.
19. Metals are sonorous.
20. Mercury
21. Zinc

SHORT ANSWER QUESTIONS

22. The green material is a mixture of copper hydroxide and copper carbonate formed due to reaction of copper with moist air (water, oxygen and carbon dioxide).
23. (a) iron (b) conductor
24. The bulb will not glow as wood is not a good conductor of electricity.
25. In beaker A, a reddish brown layer of copper will deposit on the iron nail and the blue coloured solution will become yellowish green.
- On the other hand, no change is observed in beaker B.

26. The tablet is not made of iron metal, instead it contains a salt of iron.

27. (a)-(iii), (b)-(iv), (c)-(i), (d)-(v), (e)-(ii).

LONG ANSWER QUESTIONS

28. Statements (b), (d) and (e) are not correct.

(b) Metals are good conductor of electricity and also good conductor of heat.

(d) Oxides of non-metals are acidic in nature and oxides of metals are basic in nature.

(e) A more reactive metal replaces a less reactive metal from its salt solution in water.

29. **Hint:** Write the activity based on the fact that when an iron nail is put in a beaker containing copper sulphate solution, iron replaces copper from the solution, since it is more reactive. Copper metal and iron sulphate are the products which are obtained as a result of the chemical reaction.

30. Oxygen, water, blue, red, non-metals.

Questions maybe

- (i) Which gas is formed when sulphur reacts with oxygen?
(ii) What is the nature of oxides of non-metals?

31.

A	X	T	M	S	P	K	L	G
X	T	S	U	L	P	H	U	R
I	L	R	H	M	N	D	I	L
C	I	R	O	N	S	E	J	K
A	L	U	M	I	N	I	U	M
R	M	U	Q	T	R	S	T	U
B	N	P	C	O	P	P	E	R
O	X	Y	G	E	N	V	W	X
N	Y	Z	T	A	B	G	H	K

Ans.

Metals

Iron
Copper
Aluminium

Non-metals

Carbon
Oxygen
Sulphur

32.

