

BHARATH COACHING CENTRE

8th CBSE

Science

Total: 40

Materials: Metals and Non-metals

Time: 2.00 hrs

SECTION – A

8 × 1 = 8

1. Name a soft metal.
2. Name a hard non-metal.
3. Name the metal which is used to galvanize steel.
4. Name a metal which is liquid in room temperature.
5. Name the non-metal which is used in pencil lead.
6. Name a metal which is stored under water to avoid combustion.
7. Name a non-metal which is liquid in room temperature.
8. Name a non-metal which conducts electricity.

SECTION – B

3 × 2 = 6

9. Why does iron rust while steel doesn't?
10. Why should Na be stored under kerosene? What happens when it comes in contact with air?
11. Define rusting.

SECTION – C

2 × 3 = 6

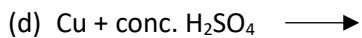
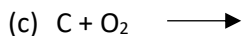
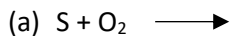
12. What is an alloy? Give two examples.
13. The metal 'X' easily combusts and is used in fireworks. When the metal ribbon is burnt it produces white powder 'Y'. 'Y' is a metal oxide and acidic in nature. Identify 'X' and 'Y'.

SECTION – C

4 × 5 = 20

14. Define the given terms and give an example for each.
(a) Malleability (b) ductility (c) sonority (b) thermal conductivity (e) electrical conductivity
15. Write 5 uses each for metals and non-metals
16. Write the difference in physical properties of metals and non-metals.

17. Complete the reactions



BHARATH