

### EXERCISE-III

1 Name:

a Three different forms of carbon:

Ans: 1- Diamond  
2- Graphite

3- Coal

b A form of Carbon used as a gem:

Ans: Diamond

c Two substances used to make electric wire:

Ans: 1- Copper

2- Aluminium

d Two substances used to make jewellery:

Ans: Gold

2- Silver

e A substance used as an insulator:

Ans: Plastic

2 Give one use of each of the following substances:

a Iron: To make machines tools and building materials.

b Brass: To make water taps and utensils.

c Coal : Coal is used as fuel also used in thermal power plant to produce electricity.

B. Give reason: - 3

a. A frying pan is made up steel but its handle is made up of wood.

Ans: Reason: Steel is good conductor of heat to cook food, pan is made of steel where as good wood is insulator of heat and to hold, handle is made up of wood.

b Graphite is used to make <sup>lead</sup> of pencil.

Ans: Graphite leaves mark on the paper and makes it black.

c Argon is ~~used~~ filled in electric bulb.

Ans: Argon is inert gas and protects the element of bulb from oxidation and burning.

Hence increases bulb's life.

Q Answer the following questions:

a Why are copper and aluminium used to make electric wires?

Ans: Copper and aluminium are good conductors of heat and electricity. They can be drawn into wires and beaten into sheets. Therefore, they are used to make electric wires.

b What do you understand by the statement 'metals are ductile and malleable'?

Ans: Metals are ductile, i.e., they can be drawn or stretched into thin wires. They are malleable, i.e., they can be beaten into thin sheets.

### Objective Type Questions

1. Fill in the blanks.

a- Atomicity

g- bromine

b- oxygen

c- mercury

d- nitrogen

e- tungsten

f- oxygen

2- Match the columns:

Column A

Column B

a Metals

b Molecules

c Non-metals

d Noble gases

i Non-reactive

ii Brittle

iii Lustrous

iv Smallest unit of compound

3, a False

b True

c True

d False

e False

f True

g False

h False

i True

## Multiple Choice Questions

- 1, d - a definite set of properties
- 2, c - carbon, hydrogen and oxygen
- 3, b - a compound
- 4, b - non-metals
- 5, b - lustrous and unreactive
- 6, b - hydrogen and helium
- 7, a - Sodium Chloride
- 8, ~~b~~ - mixtures
- 9, b - silicon and oxygen
- 10, a - zinc
  - a b - Graphite
  - b c - Diamond
  - a d - platinum gold
  - a e - oxygen