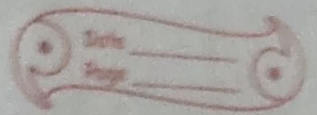


Exercise III



Q1 a) 1) Diamond

2) Graphite

3) Coal

b) Diamond is used as gems.

c) 1) Copper

2) Aluminium as there are good conductors of electricity.

d) 1) Gold

(ii) Silver as there are shining, lustrous and ductile.

e) Plastic is used as insulator as it is bad conductor of electricity.

2) a) Iron: To make machines tools and building material.

b) Brass: To make water taps and utensils.

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

3) a) ^eSteel is good conductor of heat to cook food, pan is made of steel where as wood is ~~is~~ ^{insulator} of heat and to hold, handle is made up of wood.

b) Graphite leaves mark on the paper and makes it black.

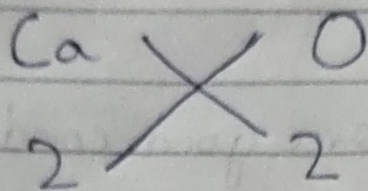
c) Argon is inert gas and protects the element of bulb from oxidation and burning. Hence increases bulb's life.

4a) Copper and aluminium are good conducters of heat and electricity. They can be drawn into wires and beaten into sheets. Therefore, they can be used to make electricity wires.

b) Metals are ductile, i.e., they can be drawn ~~or~~^{or} stretched into thin wires. They are ~~no~~ malleable, i.e., they can be beaten into thin sheets.

Exercise 42

Q7) Ans) Compound Calcium oxide is formed of elements calcium and oxygen.

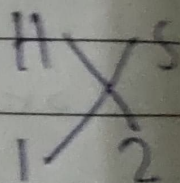


Symbols combining power Here subscript number is same Ca_2 formula of calcium oxide is CaO Compound Hydrogen sulphide

is formed of elements

Hydrogen, Sulphide

~~Formula~~ Symbol combining power



Formula is H_2S