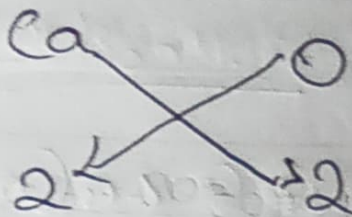
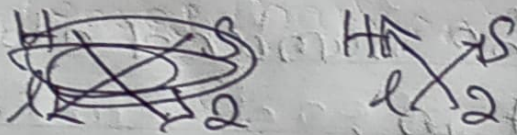


4) Write the molecular formulae of compound calcium oxide, hydrogen sulphide, carbon monoxide and lead sulphide.

Ans Compound calcium oxide is formed of elements calcium (Ca) and oxygen (O)

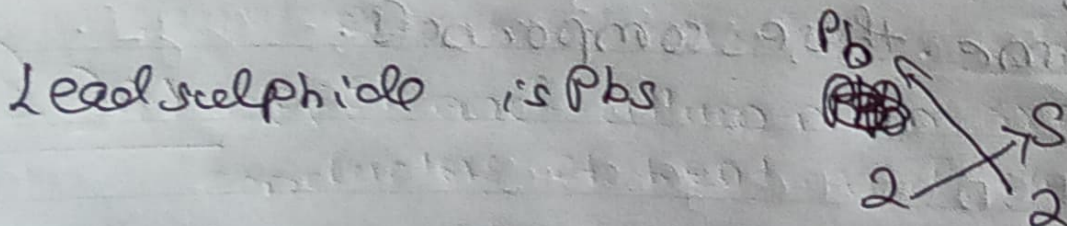


Symbols combining power here subscript number is same Ca₂ Calcium oxide is CaO compounds hydrogen sulphide is formed of elements.



Formula is H₂S

Compound carbon monoxide \rightarrow Carbon (C) and oxygen (O) ~~and oxygen (O)~~



8) a) A) Brick, chair (Solid)

b) A) water, ethanol (Liquid)

c) A) Hydrogen (H_2)
Nitrogen gas (N_2) } Gas

Exercise - III

The different forms of carbon are diamond, coal and graphite.

b) A) Diamond is used as a gem.

c) A) The two substances used to make electric wires are copper and aluminium.

d) A) Gold and silver are the two substances used to make jewellery.

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

2) Give one use of each of the following substances:

- a) As Iron: To make machines tools and building material.
- b) As Brass: To make water taps and utensils.
- c) As Coal: It is used as a fuel.

3) a) As A frying pan is made up of steel but its handle is made up of wood because ~~wood~~ wood is a worst conductor of heat.

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

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

4) a) As Copper and aluminium are good conductors of heat and electricity. They can be drawn into wires. So, they are used to make electric wires.

b) As 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 refers to the number of atoms in the molecule of an element.
- b) The most abundant element in the earth's crust is oxygen.
- c) A metal which is liquid at room temperature is mercury.
- d) The most abundant element in the atmosphere is Nitrogen.
- e) A metal which is a poor conductor of electricity is tungsten.
- f) A diatomic gaseous element is oxygen.
- g) A liquid non-metal is bromine.

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

a-iii, b-iv, c-ii, d-i

3) ~~A compound is made up of just one kind of atom.~~ false

3) Indicate whether the following statements are true or false.

a) As false. A compound is made up of two or more elements.

b) ~~Metals~~ Metals reflect light and are good conductors of electricity. True

As True.

3) ~~Metals~~ Metals reflect light and are good conductors of electricity. True

As True.

c) Metals can be polished. True

As True

d) Elements are made up of compounds. false

As Elements are made up of atoms.

e) All elements are artificially prepared. false

As All elements are made up of a limited no. of basic substances.

f) Molecules can exist independently. True

As True

g) Molecules combine to form atoms. false

As Atoms are combined to form molecules.

h) Noble gases are highly reactive. false

As Noble-gases are non-reactive.

i) Ozone is a triatomic molecule. True

i) Iron oxide - FeO

ii) Calcium oxide - CaO

iii) Sodium oxide - ~~Na_2O~~ Na_2O

iv) Zinc oxide - ZnO