

HW  
18/09/21

Iron Oxide - ~~FeO~~  $\text{Fe}_2\text{O}_3$

Calcium oxide -  $\text{CaO}$

Sodium Oxide -  $\text{Na}_2\text{O}$

Zinc chloride - ~~#~~  $\text{ZnCl}_2$

7. Calcium Oxide -  $\text{CaO}$

Hydrogen sulfide -  $\text{H}_2\text{S}$

Carbon monoxide -  $\text{CO}$

Lead sulphide -  $\text{PbS}$

8. Solid

Sand =  $\text{SiO}_2$

Cane sugar =  $\text{C}_{12}\text{H}_{22}\text{O}_{11}$

Liquid

Water =  $\text{H}_2\text{O}$

Vinegar =  $\text{CH}_3\text{COOH}$

Gas

Oxygen =  $\text{O}_2$

Hydrogen =  $\text{H}_2$

## EXERCISE – III

1. Name :

- (a) Three different forms of carbon.
- (b) A form of carbon used as a gem.
- (c) Two substances used to make electric wires.
- (d) Two substances used to make jewellery.
- (e) A substance used as an insulator.

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

- (a) Iron      (b) Brass      (c) Coal

3. Give reason :

- (a) A frying pan is made up of steel but its handle is made up of wood.
- (b) Graphite is used to make lead of the pencils.
- (c) Argon is filled in electric bulbs.

4. Answer the following questions :

- (a) Why are copper and aluminium used to make electric wires ?
- (b) What do you understand by the statement : 'metals are ductile and malleable' ?

## 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 a 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 hydrogen.
- (g) A liquid non-metal is bromine.

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

- (a) A compound is made up of just one kind of atom. F
- (b) Metals reflect light and are good conductors of electricity. T
- (c) Metals can be polished. T
- (d) Elements are made up of compounds. F
- (e) All elements are artificially prepared. F
- (f) Molecules can exist independently. T
- (g) Molecules combine to form atoms. F
- (h) Noble gases are highly reactive. T
- (i) Ozone is a triatomic molecule. T

## MULTIPLE CHOICE QUESTIONS