OBJECTIVE TYPE QUESTIONS

- 1. Fill in the blanks:
 - (a) Water is matter because it has .M.O.Y.... and occupies .S.p.O.M...
 - but no definite shape is called a ... i.a. wind
 - (c) lia wid and ... ain. can flow.
 - inQi.x1............ as compared to liquids.
 - (e) Water boils at ...100... °C.
- 2. Write whether the following statements are *true* or *false*.
 - (a) Only water can exist in three different states.

True

(b) If the container in which a gas is collected has an opening, the gas will flow out and spread itself indefinitely.

True

(c) Solids have the largest intermolecular space.

Fulse

(d) There is no difference between evaporation and boiling.

Falso

(e) All solids, on heating, first change to liquid and then to the gaseous state.

Truo

(f) The intermolecular force of attraction is the weakest in gases.

True

(g) A gas has no free surface.

False

- 4. For each of the following statements, say whether it describes a solid, a liquid or a gas.
 - (a) Particles move about very quickly but do not leave the surface.
 - (b) Particles are quite close together. Salid

- (c) Particles are far apart and move in all directions.
- 5. Match the following:

Column A Column B

(a) Solids(b) Sublimation

(c)

(i) Can flow in all directions.

Sublimation (ii) The temperature at which a liquid changes into its gaseous state.

Boiling point (iii) Can have any number of free surfaces.

- (d) Gases (iv) Gaps between particles.
- (e) Intermolecular (x) Change of state space directly from solid to gas.
- 6. Name the phenomenon which causes the following changes:
 - (a) Formation of water vapour from water. ?
 - (b) Disappearance of camphor when exposed to air. Sublim atio b
 - (c) Conversion of ice into water. MUH ng
 - (d) Conversion of water into steam.
- 7. Give two examples for each of the following:-
 - (a) Substances which sublime. Tooling, months?
 - (b) Substances which do not change their state. Only gon, nitrogen
 - (c) Substances which are rigid and not compressible. And we tork

MULTIPLE CHOICE QUESTIONS

- 1. Which one is a kind of matter?
 - (a) light

(by) petroleum

- (c) sound
- (d) heat
- 2. The state of matter which has no definite shape or volume is called
 - (a) solid

(b) liquid

(c) gas

(d) water

There are large intermolecular gaps in (a) water (b) iron ball

5. A kind of matter which can sublime is

(a) water

(b) plastic

(c) common salt

All kinds of matter (a) occupy space and have a definite mass

(d) have a definite volume

(a) freezing

liquid is called

(c) condensation

(d) evaporation

(b) melting

(b) have mass and a definite shape (c) can change their states (a) air 6. A substance which can change its state The process by which a solid changes into a (c) paper (a) wood (c) milk (d) cloth (b) oxygen (d) iodine

DATO · Pure substances have a perifortly homogeneous · Pure substances are made upobonly one type of atoms on molocules Pure Substances have a fixed composition 200) Flements are substances that are made From one Theoratom. Anclement count be broken down into any other substance Compounds are Substances made from atoms of different elements joined by chomical bonds. They can only be seperated by a chemical reaction 3) A homo garous mixture is that mixture in which the components nix with each other and its compaition is uniterm throughout the solation. A heterogenous mixeture és that mixeture la which the composition is not uniterim thoughout and different components are observed