k-29-9-21 Name-Snehounsh Karc CHEMISTRY class - VI 'D' Matter all Explain how gases can be liquefied? Grases can be liquefied by the process of condensation on liquefaction. When a gas is earling theerergy of particles decreases and their movement become slow. The gap between particles decreases and the forces of altraction of particles increases as a nesult the gas change to liquid form. 02) What is sublimation, Give example. Ans The change of solid Some substances directly change from the solid state to the gaseous state and vice-versa without passing through the liquida state. The conversion of a solid substance into its vapour on heating is called sublimation . Ex: Naphthalene balls, camphor etc. Solid Footing Vapour 03) Give measons: a) Liquids and gases flow but solids do not? Ans In liquids and goses the molecules are not very closely packed. The intermolecular space are larger , and the attraction between the molecules are very Slow but in solid molecules are closely packed and the attraction between them are very strong. So, liquid and goses flow but & solid do not-The odour of scent spreads in a noom. Scent fumes (molecules) being gases fill the space JUZ between air molecules and the molecules of air fill the spaces between scent molecules due to diffusion, fumes Spread into a moon.

b) why is an egg kicked out of a bottle when airc is blown inside the bodie ? . Any when we invest the bottle and blow aire into the bottle throw the side opening. It creates high priessure inside the bottles and the egg is kicked out of the bottles. d) We can walk through ain. And The molecules of air are fare aparet i.e. large gaps and we can walk through air easily. e) Liquids have definite volume but no définite shape. Anothe molecules of liquids are Bloosely packed and inter-molecular force of attraction is small but number of molecules in it remain the same. Hence liquids have definite volume but no definite shape. f) When a teaspon of sugar is added to half a glass of water and stirrned, the water level in the glass remains unchanged. Any when a teaspoon of sugare is added to half a glass of water and stirried, the water level in the glass remains unchanged because the sugar particles are adjusted het noen to a adjusted between the water molecules as intermolecular gaps are more in liquids. g) when an empty gas jar is inverted over a gas jar containing a coloured gas, the gas also spreads into the empty jan. Ans This is because gases can diffuse on flow in all dinections, h) A ned ink drop added to small amount of water in a glass twos the water ned in some time. and when we put a drop of ned ink in a glass of water, its particles diffuse with particles of water Slowly &

but continuously and the water turns med.