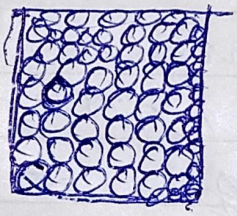
H.W
15.09.2021

(Q1) Explain the molecular Model of Solids, Liquids and Gas.

SOLID

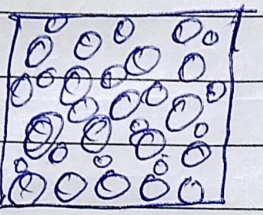
In ~~Solid~~, ~~molecular~~ molecules are very ~~tig~~ ~~they~~ packed that there is no very less ~~Oxygens~~ intermolecular space and there is high intermolecular force of attraction. The molecules do not move about their mean position and thus solids have a define shape and volume. ~~Answer verified by~~



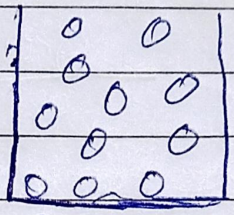
Liquids

The molecules of a liquid, like those of a solid, are quite ~~clo~~ close together; however, while molecules in a solid are held in fixed positions by intermolecular forces, molecules in a liquid have

too much thermal energy to be bound by these forces. They do not have their own shape that's why they acquire the shape of a vessel.



Gas



Gas molecular model

Gas molecules are made up of a no. of atoms bonded to one another. These interatomic bonds are similar to springs connecting atoms of various masses together. This bonding vibrates with a fixed frequency called the natural frequency

(QR) Define Brownian movement and cohesive movement.

Ans- cohesive force- The force of attraction between particles of the same substance is called cohesive force.

Brownian movement:- The zig - zag motion of particles suspended in a medium is called Brownian movement.