

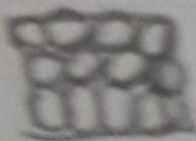
HW
14/03/2021

HOMEWORK

The molecular models of solid, liquid and gas

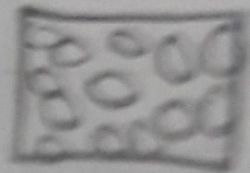
Q-1 -

SOLID



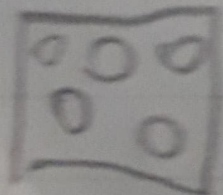
very closely packed

LIQUID



less closely packed

GAS



least closely packed

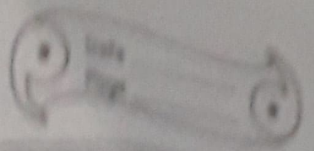
HW
14/10/2021

HOMEWORK

- Q-1 - Explain the molecular model of SOLIDS, LIQUIDS AND GASES.
- Q-2 - Distinguish between properties of solid, liquid and gases.
- Q-3 - Define Brownian movement and cohesive force.

Answers

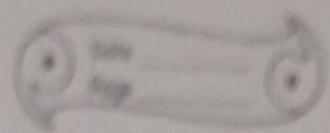
Q-1-Ans- The SOLID'S molecules are very closely packed, the LIQUID are less closely packed and the GASES molecules are least closely



Packed.

Q 2 - Ans - 7

Solid	Liquid	Gas
1. Solids are rigid.	1. Liquids have no definite shape they take the shape of the container in which they are kept.	1. Gases have no definite volume.
2. They have a definite volume.	2. They have a definite volume.	2. They do not have any definite shape.
3. They retain their shape.	3. They can flow from a higher to lower level.	3. They can flow and move in any direction.
4. They are almost incompressible.	4. They have only one free surface.	4. They can be compressed inside small containers and can also spread in large area if available.
5. They can have any number of free surfaces.		



Gases - Gases exert equal pressure in all the directions

Q-3 - The Brownian movement is the zig zag motion of particles in a medium and the cohesive is the force of attraction between particles of same substance

