

Qualitative treatment of structure of liquid state

The atoms in the solid state are not as strongly bound as the ones in solid state and not as loosely bound as the ones in gaseous state. This gives them benefits of being in the intermediate stage. As the atoms can easily move, we have fluidity in the liquid state. It can also be easily stored as there are still pretty good bond between the atoms. This structure also lets them form effective solutions. Where a solvent and a solute can mix together coherently to form a useful liquid.

Physical properties of liquid state

1. Liquids are almost incompressible (less compressible).
2. Liquids have fixed volume but no fixed shape.
3. Liquids flow from higher to lower level.
4. Boiling point of liquids have above room temp. under normal condition. On heating it changes slowly into ~~not~~ vapour or gas.