

SOLID STATE

Matter :- Everything in our surroundings is known as matter that can be categorized into three states. In our day to day life solids plays a crucial role to pursue different purposes.



Under normal conditions, there are three distinct states of matter:

Solids :- Solids are relatively rigid and have fixed shapes and volumes. for example, A rock is a solid.

liquids:- liquids have fixed volumes but flow to assume the shape of their containers, such as a beverage in a can.

Gases :- Gases have neither fixed shapes nor fixed volumes and expand to completely fill their containers.

Whereas the volume of gases strongly depends on their temperature and pressure (the amount of force exerted on a given area), such as air in an automobile tire,

Characteristics of solid state

1. They have definite shape due to strong Intermolecular forces of attraction.
2. They have distinct boundaries.
3. They have a fixed volume.
4. They cannot flow.
5. They have negligible compressibility due to negligible distance between the neighbouring molecules.
6. They possess a tendency to uphold their shape when exposed to external force.
7. They break under force but it is difficult to change their shape so they are rigid.
8. They have high density and do not diffuse at all.

Types of Solids

(a) Crystalline solids: In a single crystal the regularity of arrangement of the pattern extends throughout the solid and all points are completely equivalent. ex-NaCl

Solid State Chapter Notes For Class 12

Institute of Radio Engineers



Solid State Chapter Notes For Class 12:

Solid State Chapter Notes For Class 12 Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Solid State Chapter Notes For Class 12**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve into the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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