

# MATTER

SUBJECT-PHYSICS

CHAPTER NO- 1

Properties of solids and liquids

PERIOD-5

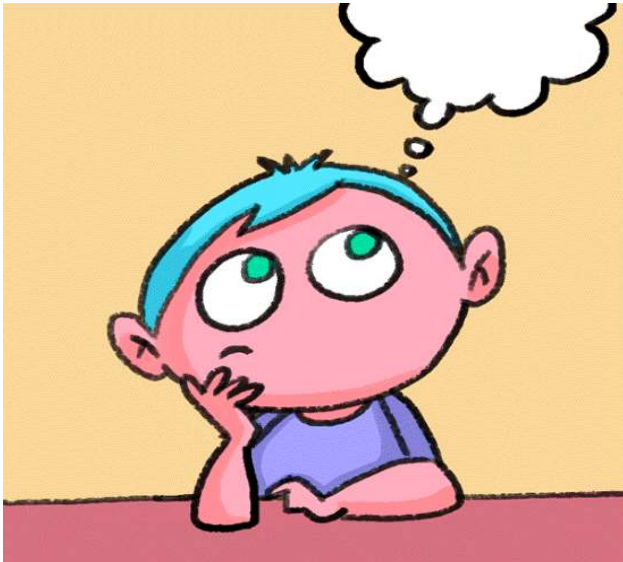
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**CHANGING YOUR TOMORROW**

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## LEARNING OBJECTIVE

- Students will be able to
- Familiarize with the properties of solids and liquids
- Sensitize the molecular model of solid and liquid state



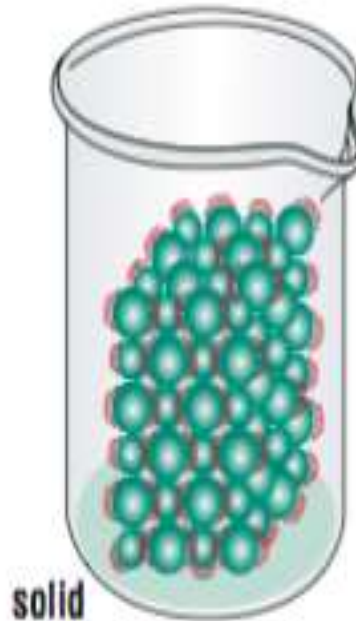
## WARM UP QUESTIONS

- Recapitulation of previous topic by asking the following questions.
- Distinguish between solid , liquid and gas
- What are three properties which decide the state of a substance?

# Properties of solids

## Properties of solids:

- have a definite shape
- do not flow
- virtually impossible to compress
- expand if heated, but usually less than liquids and gases.



## Particles in solids:

- strongly bonded to each other
- vibrate a little, but not much compared to liquids and gases
- vibrate faster when heated.

Explain the properties of solids by the help of a video

<https://youtu.be/5xJqGteJcnY>

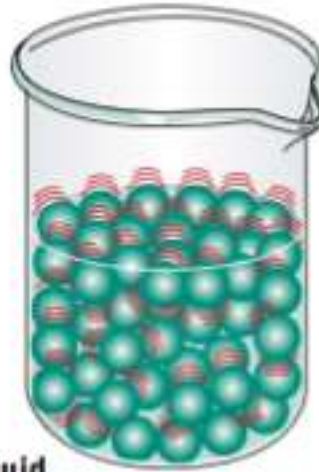
Explain the molecular model of solid state by the help of a video

<https://youtu.be/6bHkWh5T3mk>

# properties of liquids

## Properties of liquids:

- no definite shape
- can flow to take the shape of the bottom of a container
- very difficult to compress (virtually incompressible).



liquid

## Particles in liquids:

- weakly bonded to each other
- break their bonds easily
- vibrate and move more than those in a solid
- move faster when heated.

- Explain the properties of liquids by the help of a video
- <https://youtu.be/gqaNCkNZoz8>
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- Explain the molecular model of liquid state by the help of a video
- <https://youtu.be/6bHkWh5T3mk>

# HOME ASSIGNMENT

Exercise- B 5,6

Q. Explain the molecular model of solids

Q. Explain the molecular model for liquids

Q. list the properties of solids

Q. list the properties of liquids



**THANKING YOU**  
**ODM EDUCATIONAL GROUP**