

Montfort School Ambikapur

Class 5th Subject - Science

Chapter -7 Solids, liquids and gases

A. Multiple choice questions:-

1. On heating movement of particles
- A. **increases** B. decreases C. remains the same
2. On cooling water changes into...
- A. water vapour B. steam C. **ice**
3. In which of the following particles are loosely packed ..
- A. solids B. **gases** C. liquids

Oral questions

1. Why is air a matter?

Ans. Air has mass and IT occupies Space that is why air is a matter.

2. Which form of matter has a fixed shape?

Ans. Solid form of matter has fixed shape.

Science quiz

1. Name two solid substances.

Ans. Book and pen

2. Name the particles that form matter.

Ans. Molecules

Multiple choice questions

1. In which of the following the particles are very close to each other.

A. gases B. liquids C. **solids**

2. On cooling the movement of particles of a substance

A. increases B. **decreases** C. remains the same

Fill in the blanks.

1. Particles are more closely packed in **solids** than in liquids.

2. Solids are **hard**.

3. When we **cool** water it changes into ice.

4. The effect of cooling is **contraction**.

Section B

Multiple choice questions:-

1. The molecules of a matter are loosely packed this state of matter is

A. solid B. **liquid** C. gas

2. On cooling the matter

A. expands B. **contracts** C. has no effect

Very short answer questions .

1. What is matter?

Ans. Anything that has mass and occupies space is called matter.

2. What is a molecule?

Ans. Very small particles that make matter called molecules.

Short answer questions

1. Write two properties of solids.

Ans. 1. Solid have fixed shape .

2. solids have fixed volume.

2. Write two properties of gases.

Ans. 1. Gases have no fixed shape and volume .

2. Gases can flow.

3. Liquids adjust their size and shape to any type of container they are kept in.

A) How can a liquid take the shape of the container in which it is kept?

Ans A liquid can take the shape of the container because the molecules are not very close to each other due to weak force of attraction between them and thus they can move and side over each other.

B) What can you learn from liquids?

And. We can learn from liquids to be adjustable in all circumstances of life.

Long answer questions

1. Describe arrangement of molecules in solids and liquids .

Ans Molecules are very closely packed in solids . There is a strong force of attraction between the molecules of solids so they cannot move away from each other hence they are hard rigid have fixed shape and volume and cannot flow .

molecules in liquids are not very close to each other there is a weak force of attraction between the molecules of liquids so they can slide over one another and flow . They do not have a fixed shape but have fixed volume.

2. What happens to the particles of water when heated?

Ans Water is a liquid and its molecules are not very closely packed when water is heated the particles of water start moving faster it is results in increase in distances between the molecules of water they become free and escape into the air in the form of water vapour these molecules can move much more freely.