



EFFORT CLASSES

Dare to Dream !.... Dreams come true !

Shop no. 29 & 30, Twin Tower, Sector 20, Behind Jalvayu Vihar, Kharghar, Navi Mumbai-410210.

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Q.P code-199/CSMST1

IX CBSE

Date- 06/02/20

Time – 1 hr

SCIENCE

Marks-20

Topic – Matter In our surroundings

Q.1 1 mark questions

1. Explain:
 - a) Sponge though compressible is a solid.
 - b) Rubber band though stretchable is a solid.
2. Write the chemical name of dry ice. Justify its name. How is it stored?
3. Mention two properties of water to justify that water is liquid at room temperature.
4. Define the term sublimation. Write the names of any two substances which sublime.
5. Give reasons for the following:
 - a) In summer wearing of cotton clothes is more comfortable.
 - b) Water kept in an earthen pot becomes cool in summer.

Q.2 3 mark questions

1. Give reasons:
 - a) Naphthalene balls disappear with time without leaving any solid.
 - b) A gas fills a vessel completely.
2. Explain the inter conversion of three states of matter in terms of force of attraction and kinetic energy of the molecules.
3. Define evaporation. How does it differ from boiling? How does evaporation cause cooling?
4. (a)List any four characteristic properties of gases.
(b) Steam produces more severe burns than boiling water. Why?
5. (a)Define latent heat of vaporization.
(b) Give reasons for the following:
 - i. You feel cold when you pour some nail polish remover on your palm.
 - ii. During summer, sitting under a fan makes us comfortable.

Q. 3 5 mark questions

1. (a) distinguish between solids and gases on the basis of following parameters :
 - i. Interparticle distance
 - ii. Interparticle forces of attraction,
 - iii. Compressibility.
(b) Give two factors that determine the rate of diffusion of a liquid in another liquid.
2. (a) Mention the physical state of water at:
 - i. 100°C
 - ii 0°C.
(b) Convert the following temperature into Celsius scale:
 - i. 298 K
 - ii 300 K
 - iii 280 K