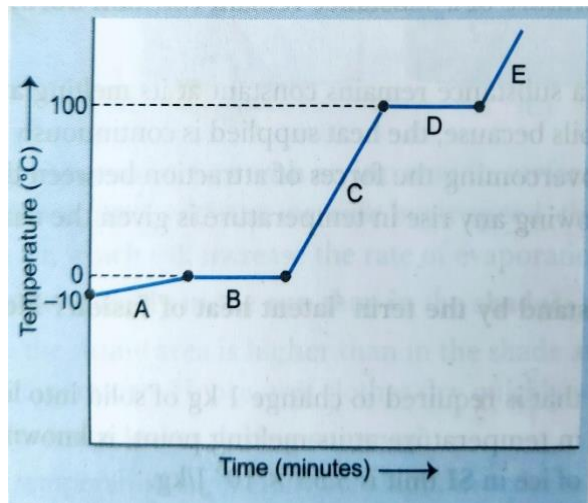


BCM SCHOOL BASANT AVENUE LUDHIANA

CLASS -IX SUBJECT-SCIENCE [CHEMISTRY]

CHAPTER – MATTER IN OUR SURROUNDINGS

Q1. Analyse the temperature versus time graph of water given below. which region contains all liquid? 1

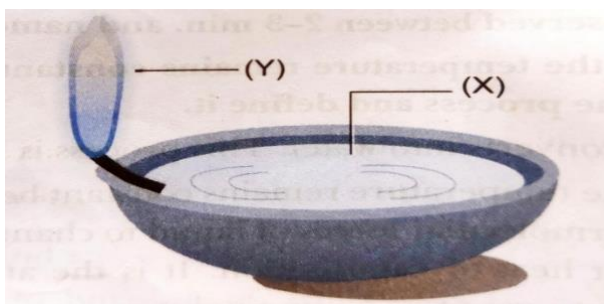


Q2. Why do people sprinkle water on the roof after a hot sunny day? 2

Q3. A) Differentiate between Evaporation and boiling.

B) Why does ice float on water? 2+1

Q4. A) The diagram below shows burning of an oil lamp. Draw the arrangement of particles X and Y when lamp is burning. 2



B) Which gas is called dry ice? Why? 2

Q5. A) The melting point of three solids X, Y & Z are 298K 310K and 400K respectively. Arrange these in increasing order of their inter particle force of attraction. 1

B) At what temperature in the Kelvin scale does water boil. Explain what happens when we supply heat energy to water until it changes its state? What is this heat energy called? 2

C) Suggest an activity to show that the rate of diffusion of liquids decreases with increase in density of the liquid. 2