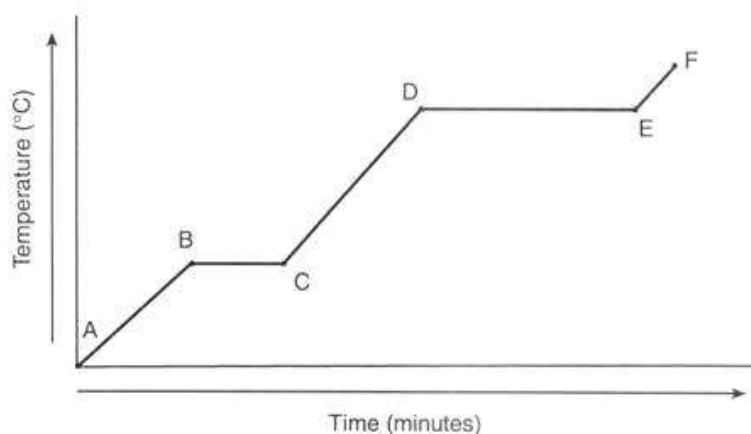


CHEMISTRY HOLIDAY HOMEWORK

CLASS – IX

2018-2019

The following shows the heating curve of a solid. Based on the graph answer the following questions (1 to 5):



1. Identify the melting point of the solid and the boiling point of its liquefied form.
2. Name the portion of the graph in which the solid exists only as vapour.
3. How is point C of the graph different from point D?
4. What will happen if the substance is heated beyond point F?
5. Which portion(s) of the graph will be affected if some impurity is mixed with the solid? Why?
6. Why do we see droplets of water on the outer surface of a glass containing ice cold water?
Define the process.
7. Give two evidence with explanation for molecular motion of gases.
8. Do we sweat more on a dry day or humid day? Justify with reason.
9. What is dry ice? How it is prepared? Mention one use of it.
10. Give three practical applications from your daily life where evaporation causes cooling.
11. After rains when do rain drops dry away easily – on a cloudy day or on a sunny day? State reason also.
12. Describe three processes in which matter can change its state.
13. Why do solids expands a bit on heating and contract a bit on cooling?
14. Explain evaporation and its cooling effect in terms of kinetic energy of particles.
15. Draw a diagram to show interconversion among the states of matter.