



# SACRED HEART SCHOOL

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ASSIGNMENT (2020– 2021)

Class - IX

Subject – CHEMISTRY

## Assignment questions based upon online class

1. Represent freezing and boiling temperatures of water in Celsius as well as in Kelvin scales.
2. Does the temperature of liquid increase further when it starts boiling?
3. Latent heat of vaporization of two liquids A and B are  $100 \text{ J/kg}$  and  $150 \text{ J/kg}$  respectively. Which one can produce more cooling effect?
4. Melting points of three solids X, Y and Z are  $298 \text{ K}$ ,  $314 \text{ K}$  and  $398 \text{ K}$  respectively. Arrange these in increasing order of interparticle forces of attraction.
5. What happens to the heat energy supplied to a solid once it starts melting?