ODM EDUCATIONAL GROUP
Changing your Tomorrow

ODM Teachers' Note

| Class | IX | Subject | CHEMISTRY |
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| PD | 5 | Chapter-1 | MATTER IN OUR SURROUNDING |
| Recapitulation of the previous class taught. | Determination of Melting Point of Ice | | |
| Sub-Concepts | • Concept of Latent Heat<br>• Determination of Latent Heat | | |
| Teaching Aid To be used | Smart Class, PowerPoint presentation, classroom objects, (advertisements), charts. | | |
| Learning Outcome | • Students will be able to know about the concept of Latent Heat.<br>• Students will be able to know the practical method to determine the Latent Heat of Ice and water. | | |
| Sl. No | Step Wise (What to be done) | | |
| 1 Introduction | For Achievers<br>Teacher should initiate the discussion on following topics, which will revolve around the core topic of the chapter like,<br>What's your view on Melting Point?<br>➤ Vision to acquire knowledge of the concept of Latent Heat.<br>➤ They need to know of the determination process of the Latent heat. | For Average<br>➤ They would made familiar with the concept of Latent Heat.<br>➤ They would made to know of the process to determine the Latent heat of ice. | |
| 2. Latent Heat. | ▪ Latent Heat is defined as the amount of heat required in joules to convert a unit mass of ice or water into liquid or vapour at its melting point or boiling point respectively.<br>▪ It is also known as Hidden Heat. | | |

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| 3-Types of Latent Heat | ➤ Latent Heat of Fusion. (335 KJ/Kg)<br>➤ Latent heat of Vapourisation. (226 KJ/Kg) |
| 4.Determination of the Latent Heat. |  |
| 5.Home Assignment | • Water is poured into the engines of vehicles sometimes. Justify the reason for that?<br>• Differentiate between Latent Heat of Fusion and Latent Heat of Vapourisation. |