

MATTER IN OUR SURROUNDING

SUBJECT-CHEMISTRY

CHAPTER NO-01

CHAPTER NAME-MATTER IN OUR SURROUNDING

PERIOD-5

CHANGING YOUR TOMORROW



LEARNING OBJECTIVE

- Students will be able to
- Familiarise with the concept of Latent Heat and its Types.



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CONCEPT OF LATENT HEAT

LATENT HEAT IS ALSO KNOWN AS HIDDEN HEAT.

LATENT HEAT OF FUSION IS THE AMOUNT OF HEAT IN JOULES REQUIRED TO CONVERT A UNIT MASS OF ICE INTO LIQUID AT ITS MELTING POINT.

LATENT HEAT OF VAPOURISATION IS THE AMOUNT OF HEAT IN JOULES REQUIRED TO CONVERT A UNIT MASS OF LIQUID INTO GASEOUS STATE AT ITS BOILING POINT.

LATENT HEAT OF FUSION OF ICE IS 335 KJ/Kg.

LATENT HEAT OF VAPOURISATION OF WATER IS 226 KJ/Kg.



DETERMINATION OF THE LATENT HEAT OF FUSION OF ICE

LATENT HEAT OF FUSION



HOME ASSIGNMENT

- DIFFERENTIATE BETWEEN LATENT HEAT OF FUSION AND VAPOURISATION
- WATER IS Poured INTO THE AUTOMOBILES ENGINE. JUSTIFY



THANKING YOU

ODM EDUCATIONAL GROUP



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