

FOCUS SPOT - 2

SUBJECT: Science

GRADE: 9

CHAPTER	Matter in our surroundings
TOPIC/CONCEPT	Latent heat of fusion & Latent heat of vaporisation
FOCUS SPOT	Note : Students find difficult to define Latent heat of fusion and Latent heat of vaporisation.
WHY	Reason : Students find difficult to understand the word 'unit mass' in the definition of Latent heat of fusion and Latent heat of vaporisation.
Learning Concepts	Concept: Latent heat is the heat required or heat released during conversion of a substance from one state into another state. Heat is required to overcome forces of attraction between the particles. If number of particles are more , then more heat is required and vice versa. Thus Latent heat is measured for unit mass (1kg. or 1g.) of the substance. Latent heat of fusion: Latent heat of fusion is the heat required to convert 1 kg. of a substance from its solid state into its liquid state at its Melting point. Latent heat of vaporisation : Latent heat of vaporisation is the heat required to convert 1 kg. of a substance from its liquid state into its vapour state at its boiling point.
IMPACT	Students will be able to define the terms: Latent heat of fusion, Latent Heat Of Vaporisation.