



What is delta H fusion?

Delta H fusion, also known as the enthalpy of fusion, is the amount of heat required to melt a solid substance at its melting point while maintaining the substance at a constant temperature. It is the heat energy required to overcome the attractive forces between the molecules in the solid, allowing them to move freely and transform into a liquid state.

The delta H fusion is a positive value, as energy must be added to the substance to induce melting. The magnitude of delta H fusion is specific to each substance and depends on factors such as the strength of intermolecular forces and the mass of the substance. Delta H fusion is typically measured in units of joules per mole (J/mol) or calories per mole (cal/mol).