

## Summary

Refrigeration is the science of producing and maintaining temperatures below that of the surrounding atmosphere. Refrigeration could be achieved by melting a solid, sublimation of a solid, evaporation of a liquid. In a simple vapour compression cycle compression, condensation, Expansion and Vaporization are completed. To represent the steps thermodynamically relating to state of refrigeration, p-h chart is used.  $p-h$  chart gives directly the changes in enthalpy and pressure during evaporation, compression, condensation and expansion process for thermodynamic analysis which is important to consider while designing refrigeration system.