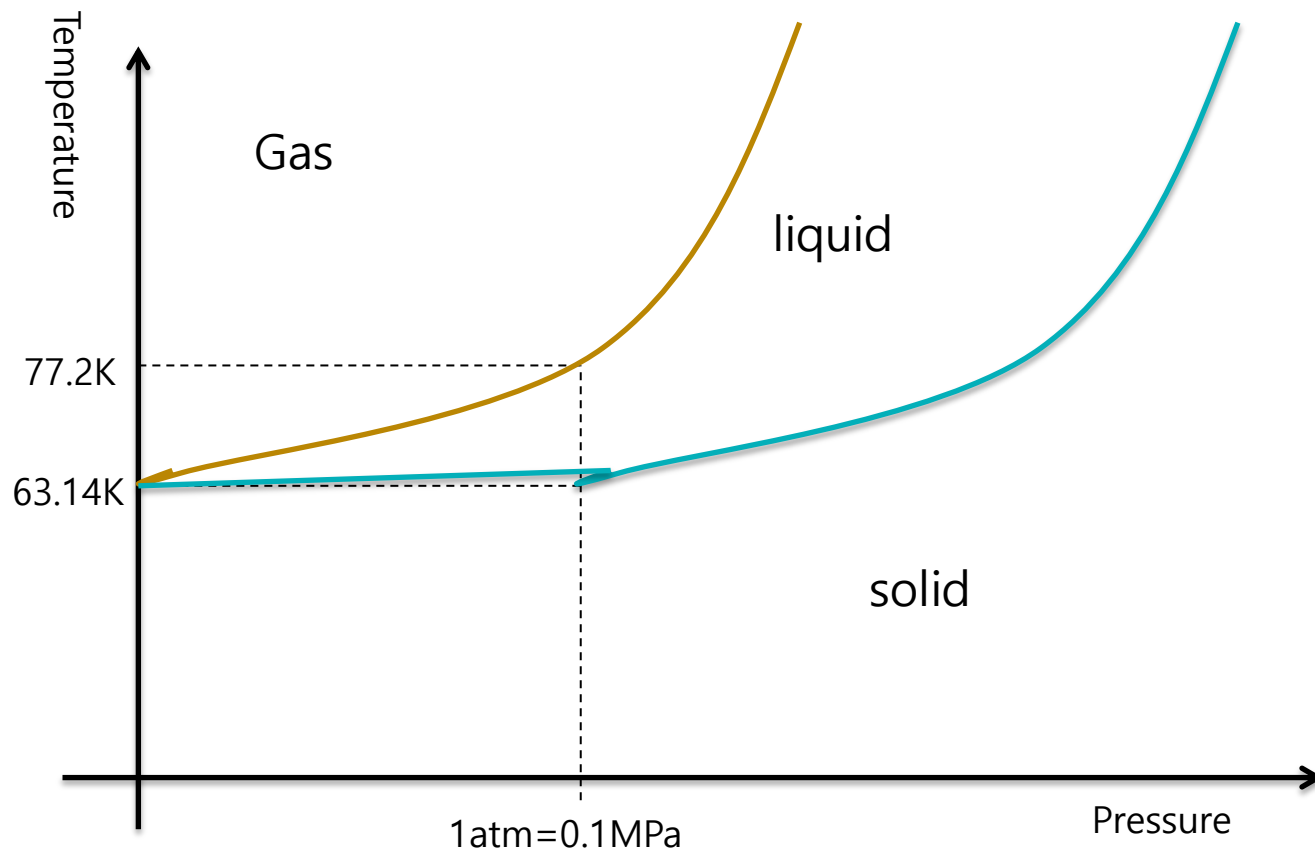


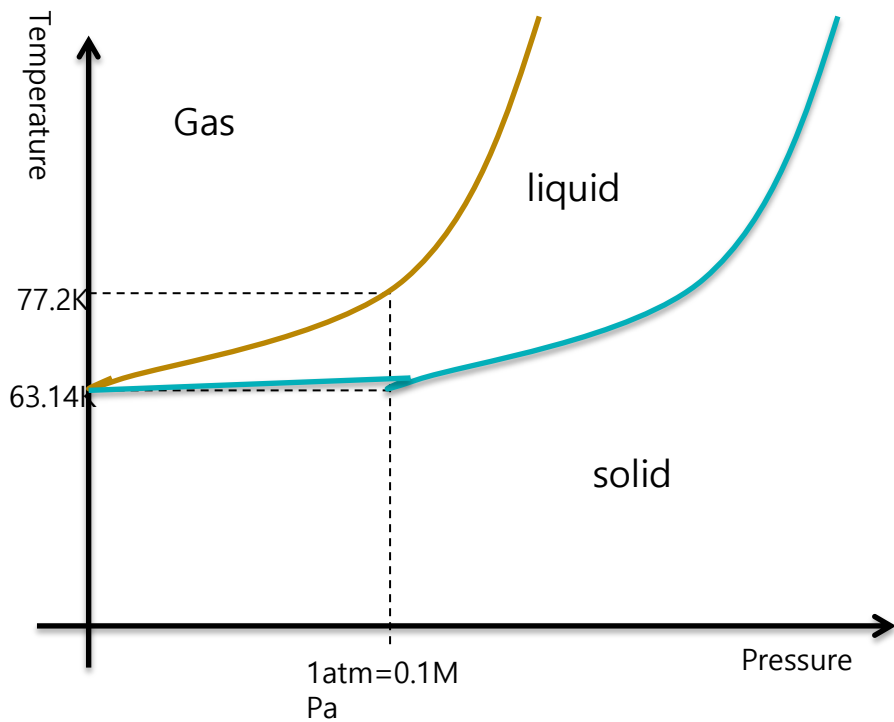
FIGURE 11-2

Isenthalpic curves, labeled 1–6, and inversion curve for nitrogen. In the region below the liquid–vapor curve, the substance is in the liquid phase.

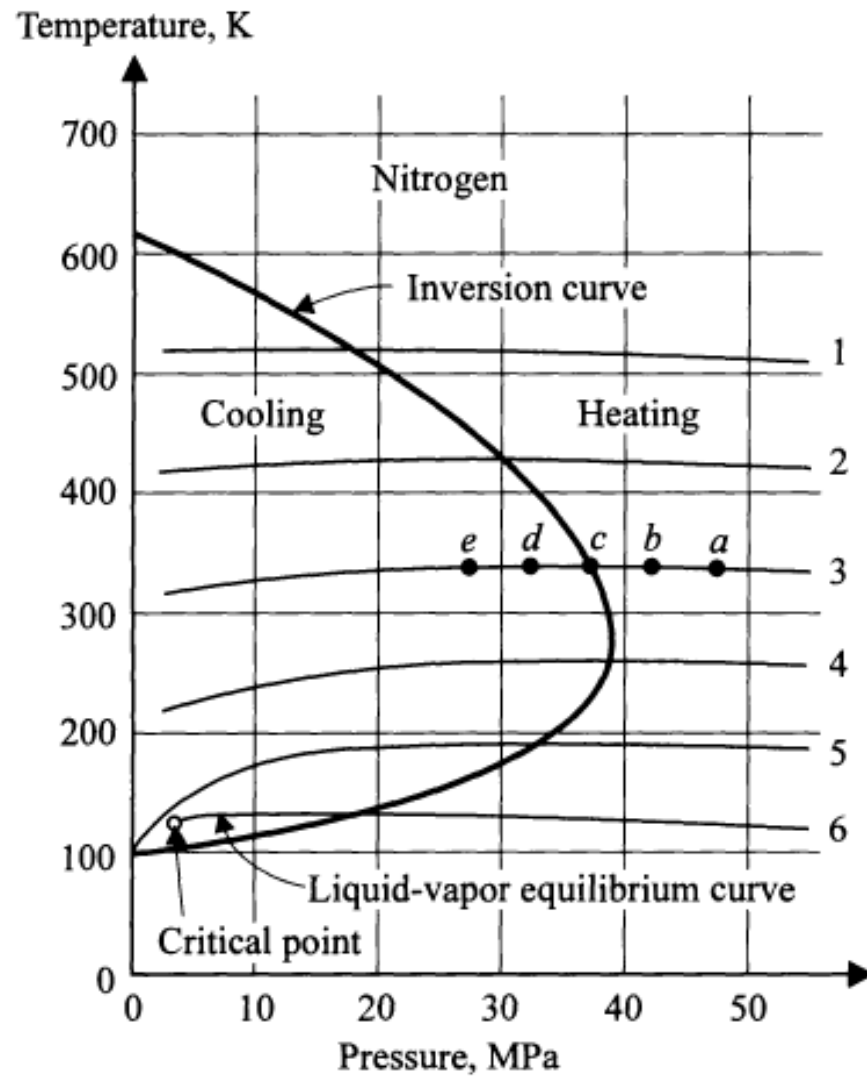


Nitrogen phase diagram

Source: <https://www.chemix-chemistry-software.com/school/phase-diagram/nitrogen-phase-diagram.html>



Nitrogen phase diagram



Zemansky-heat and the thermodynamics, pp280-286

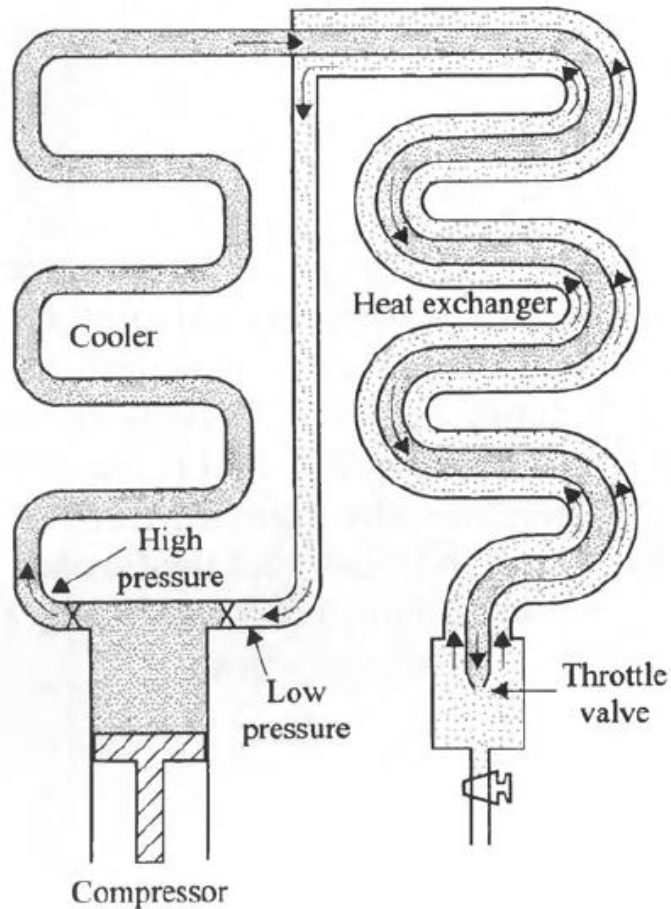


FIGURE 11-5

Apparatus for the liquefaction of a gas by means of the Joule-Thomson expansion.