

Max. Marks: 4

Questions: 1

Q.1 Consider the following liquid-vapour equilibrium.
Liquid $\rightleftharpoons$ Vapour
Which of the following relations is correct ?

[NEET 2016 (Phase 1)]

$$(1) \frac{d \ln P}{dT^2} = \frac{-\Delta H_v}{T^2}$$

$$(2) \frac{d \ln P}{dT} = \frac{\Delta H_v}{RT^2}$$

$$(3) \frac{d \ln G}{dT^2} = \frac{\Delta H_v}{RT^2}$$

$$(4) \frac{d \ln P}{dT} = \frac{-\Delta H_v}{RT}$$

Scan or tap for the full solution

[illegible]