




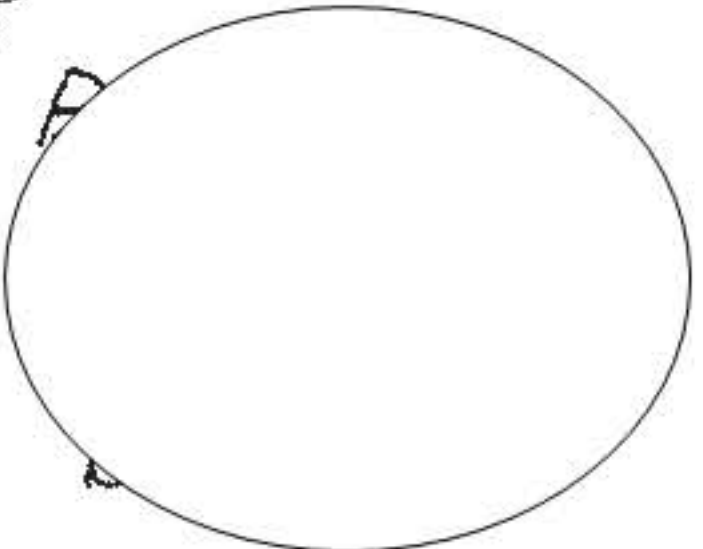

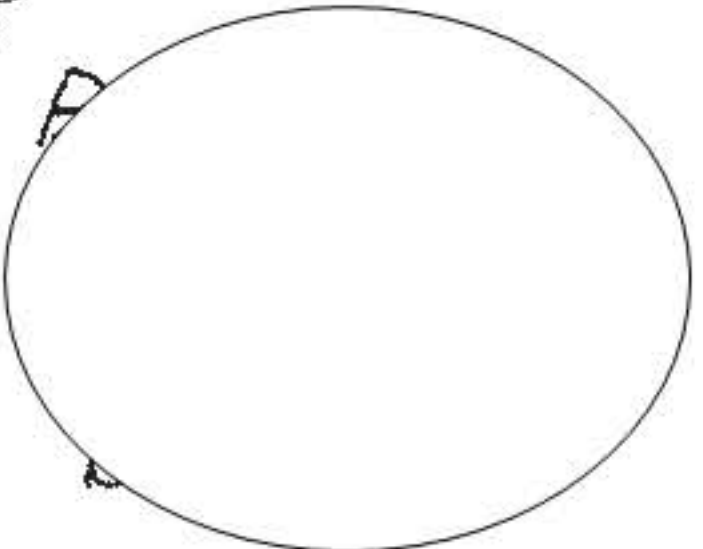


一. 是非题

1-5 X  6-10 
 11-15 

二. 单项选择题

1-5 
 11-15 C  6-20 
 21-25  26-30 

三. 计算题和简答题

解: $\mu_{J-T} / (K \cdot kPa^{-1}) = -1.95 \times 10^{-3} + \frac{1.31}{T/K} \frac{0.0311 / kPa}{(T/K)^2} = \left(\frac{\partial T}{\partial p}\right)_H$

$T = 200^\circ C$ $P = 10 / 3.250 Pa$

$\mu_{J-T} = -1.95 \times 10^{-3} + \frac{1.31}{(273.15 + 200)} \frac{10 / 3.250}{(273.15 + 200)^2}$

$= 6.78 \times 10^{-4} > 0$

减少压力, 温度会降低