#1. T=T*P 0113 P=T.p*014.	#5. K=3.60 X10-3 Cal . 1hr m.h. oc. 36005
T* = -80.0 K+273.15K	$= 1.00 \times 10^{-6} \text{cal}$
= 193.15K	m · s · °C
Toll 18:15 = 13.0 14-203.15 1 = 351.15 k	A=1,00m². DT=60°c. d=0,0100m
T是=100k+2173,15k=313.15k	$t = 1h = 3.6 \times 10^3$

Pollegote = 351,15k , 0,900 atm = 1,64atm	$H = K(\frac{A}{J})\Delta T = 1.00 \times 10^{-6} \frac{cal}{m \cdot s \cdot c} \cdot \frac{1.00 \text{m}^2}{O + 100 \text{m}} \cdot 60$
1401121	Q=HOLEZ Q=HE OLEZ
アミ = $\frac{373.15 k}{193.15 k}$ 10.900 atm = 1.74atm	Q=100 x 10-6 cal 1100m2 60°C 3.6 x 103
#3	= 21.6 col.
$= 12.5 \mathrm{m}^2$	
Fm1 d= 0,200 m	$+\eta \rho = \frac{M}{V}$
= 14.0K	= - MBVdT("VB= OF, VBdT=dV)
t=26006 x1Z= 43200s.	$= -\beta \frac{M}{V} dT = -\beta \rho dT.$
E=36006 X1Z= 432005. UH(かは空生変発 H= K A OT の四 UH(かは空生変発 H= K A OT の四	ムアニーろりとてのにた.
$H = 1.366W/(m \cdot K)$ $\frac{12.5m^2}{0.200m}$.14.0Kolet.	叫出 一性 是到 是到
H = 1.366W/(M.R)	धार्मिनिनिन २६ १०१६न
化化智也 可能 對 的知识 學問	
	#9. A의 8199 더 크다
H× 43200S 01=3 >1.366 W/(m.K). 12,5m ² 114.0K:432003	ASI 81961 ET 3155 N2601
>1.366 W/ (m.K)	211801日41月3日 25日本日本日 25日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本日本
	객인건이다.
$= 51/6 \times 10^{9} J$	
	•••••••••••••••••••••••••••••••••••••••

WITH
$$\beta = \frac{P}{RT} \cdot \frac{POT}{P} = \frac{1}{T} = \frac{1}{400k}$$
 old.

CHAH (Pot-Po) V2=NRT.
$$\frac{3}{2}$$
PoV2=NRTOPH. $\sqrt{1-\int_0^\infty v_P(v)}dv=4\pi\left(\frac{m}{\pi}\right)^{\frac{1}{2}}\int_0^\infty v_P^3e^{\frac{\pi v_P}{2\pi k_BT}}$

$$\frac{h + h \cdot A}{H} = \frac{V_0}{V_1} = \frac{2}{3} \frac{nRT}{P_0} = \frac{2}{3} 0 + \frac{1}{2} \left(\frac{h}{2\pi k_0 T} \right)^2 \int_0^\infty v^2 e^{-\frac{2\pi k_0 T}{2\pi k_0 T}} e^{-\frac{2\pi k_0 T}{2\pi k$$

$$\frac{\partial P(V)}{\partial V} = \frac{\partial}{\partial V} \left[\frac{1}{4\pi} \left(\frac{m}{2\pi k_{BT}} \right)^{\frac{3}{2}} \partial^{2} e^{-mv^{2}/2k_{BT}} \right]$$

$$\frac{\partial}{\partial v}(v)^{2}e^{-m^{2}v^{2}/2k_{B}T}) = 2ve^{-mv^{2}/2k_{B}T} - \frac{mv^{3}}{k_{B}T}e^{-mv^{2}/2k_{B}T} = 0$$

$$= (2v - \frac{mv^{3}}{k_{B}T})e^{-mv^{2}/2k_{B}T} = 0$$

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$$v^2 = \frac{2 k_B T x}{m} o I M x = \frac{m v}{2 k_B T} o T$$

$$\Rightarrow 8\pi(\frac{m}{\text{carket}})^{\frac{3}{2}}(\frac{\text{ket}}{m})^{2}\int_{0}^{\infty}xe^{-2}dx$$

$$= \sqrt{\frac{8 \log T}{\alpha m}} \left(-\frac{2e^{-\alpha}}{\cos^{-\alpha}} + \int_{0}^{\infty} e^{-\alpha} d\alpha \right)$$

$$= \sqrt{\frac{8k_BT}{\pi m}} \left(-\frac{e^{-x}}{e^{0}}\right) = \sqrt{\frac{8k_BT}{\pi m}} e_{0}e_{0}$$

$$3/(8T) = \frac{3}{5} \cdot 1 \cdot (138 \times 10^{-23} (J/K)) (1000k)$$

$$=\frac{3}{7}\cdot(1138\cdot10^{23}\text{G/K})\cdot(1000\text{K})$$

$$= 2.07 \cdot 10^{-20} \text{J}$$

#21 평교 사유가리가 작은 기체의 당천도로가	$\#23 \text{ m}=2.00 \cdot 10^{-6} \text{kg}$
部地和邓州等规程	$h=1.00m$. $A=1.00\cdot 10^{-4} m^2$
爱社组织 鬼日创地	$\frac{1}{2} m \overline{v}^2 = mgh. \sqrt{\overline{v}^2} = \sqrt{29} \overline{h}$
가능하기 때문이다	•••••••••••••••••••••••••••••••••••
***************************************	모대안한 왕이 벽에 개하는 화생은
	m/== m/zghort.
	欧州 运部 明明 前沿 斯竟
	$\overline{F} = 50. \frac{\text{mJzgh}}{\text{Nz}}$
	$= t0.$ $\frac{2.00 \cdot 10^{-6} \text{kg} \sqrt{2 \cdot (9.8 \text{m/s}^2) \cdot 1.00 \text{m}}}{1.00 \text{m}}$
	1\5
	= 4.43.10-4 Nort,
	强州 的运动 指 思想是
······································	$\overline{D} = \overline{F} = \frac{4.43 \cdot 10^{-4} \text{N}}{4.43 \text{N/m}^2} = 4.43 \text{N/m}^2$
	$100 \cdot 10^{4} \text{m}^2 = 4.43 \text{ Pa}$