Clase 28 4 Octobre 2021

Título de la nota

4/10/21 12:59

04/10/2021

ا کود ما

H (J) -6721.244

U (J) -5391.004

S (J/K) -18.720

(J) -6721.244

V (J) -1329.384

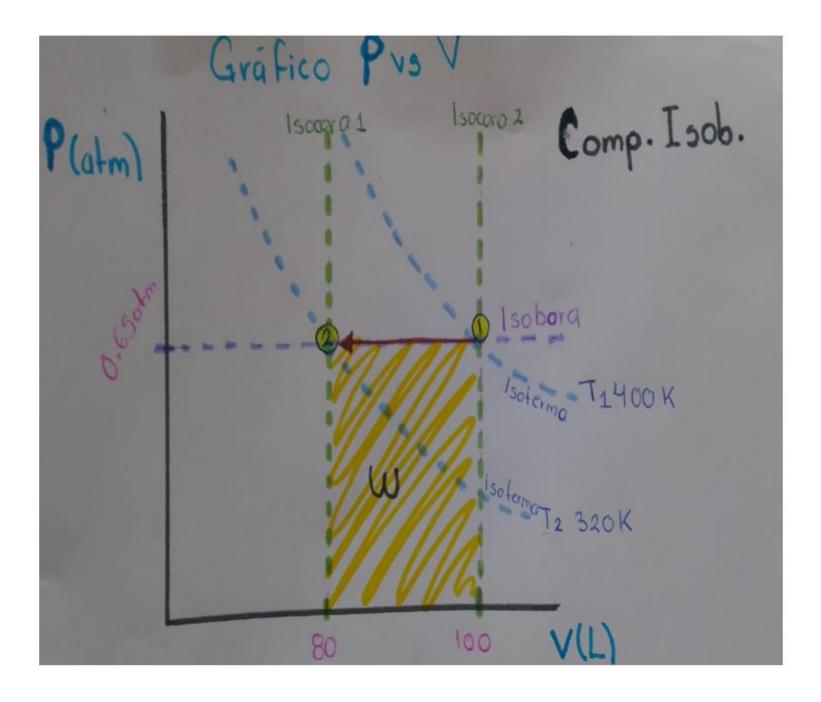
V (J) -1330.240

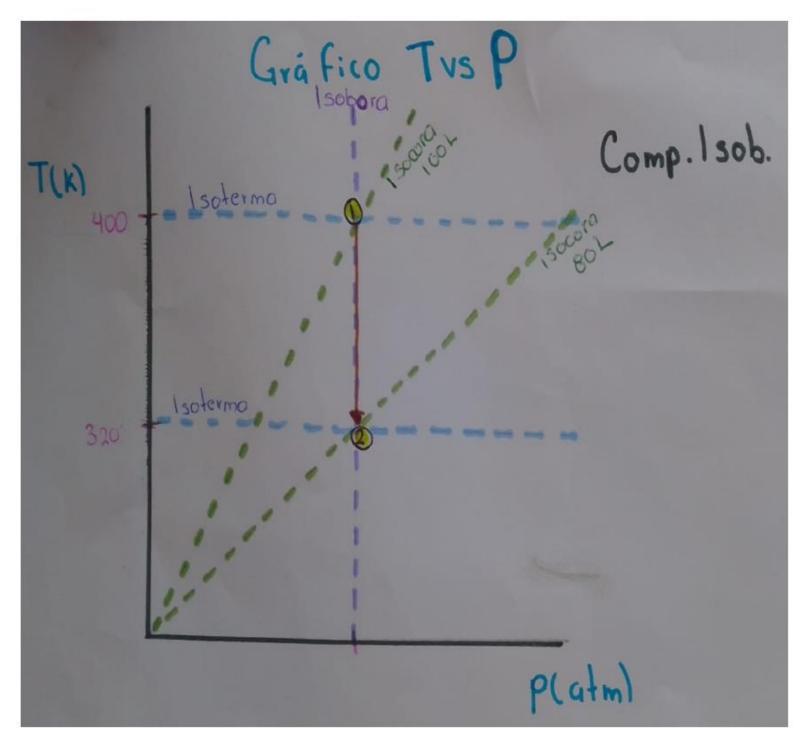
Perfect.
Tablas

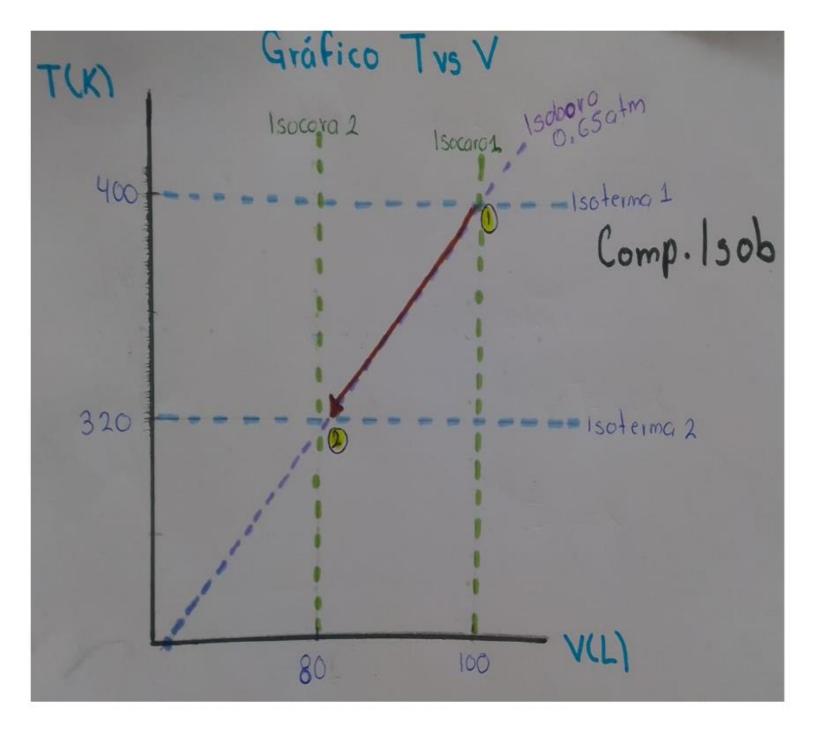
ΔH (J)	-6281.600
ΔU (J)	-3627.200
ΔS (J/K)	-17.521
q (J)	-6281.600
w (J)	-1329.384
w (J)	-2654.400

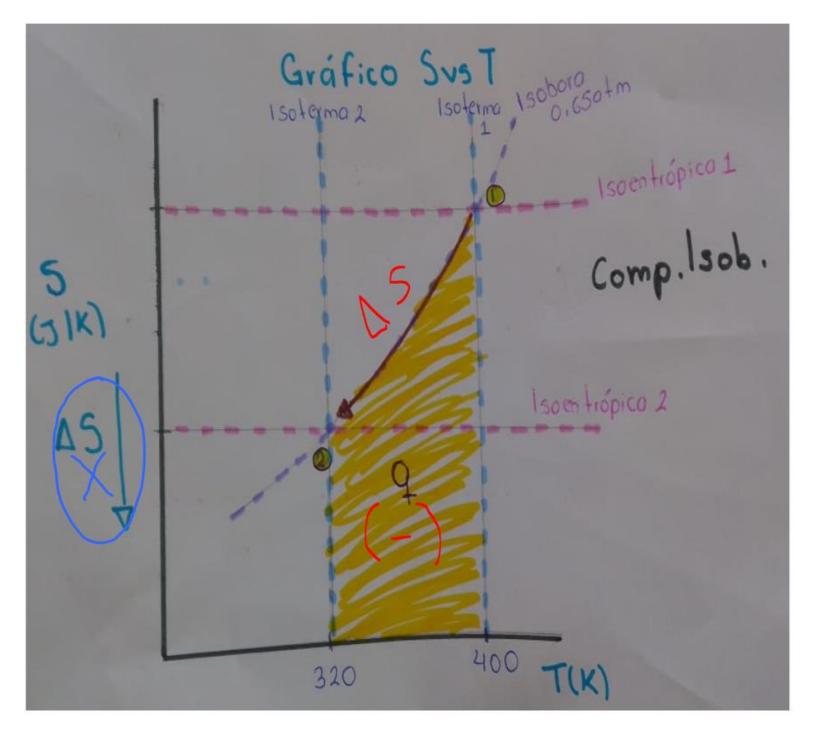
pertecto referencia

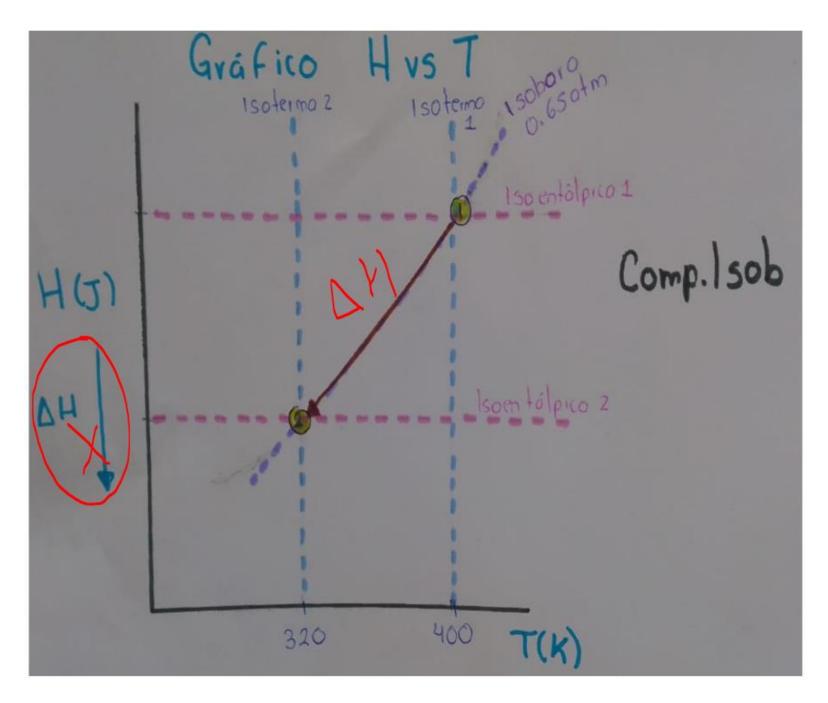
ΔH (J)	-5986.080
ΔU (J)	-4655.840
ΔS (J/K)	-16.697
d (1)	-5986.080
w (J)	-1329.384
w (J)	-1330.248

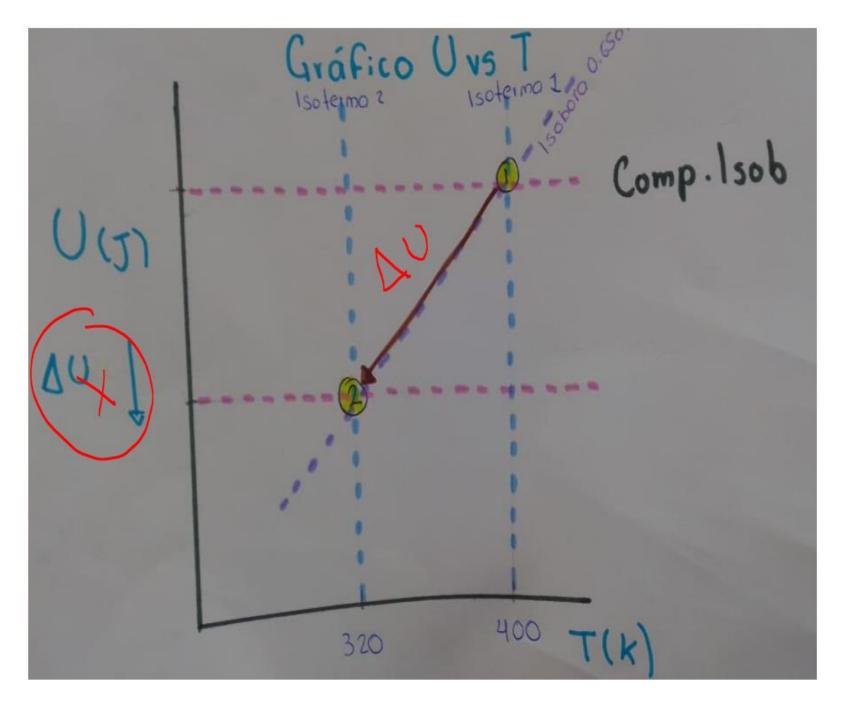












Proceso Socórico sist. cerrado, rígido 1=cte n1->n2 = cte VI -DV2 = cte T, -sT2 { Tz>T, calentamiento Tz<T, enframento PI-> PZ [PZ>PI cakntamiento PZ<PI en Friamiento

$$V_{1} = V_{2}$$

$$V_{1} = \frac{N_{1}RT_{1}}{P_{1}}$$

$$V_{2} = \frac{N_{2}RT_{2}}{P^{2}}$$

$$\frac{N_{1}RT_{1}}{P_{1}} = \frac{N_{2}RT_{2}}{P^{2}}$$

$$T_{2} = \frac{T_{1}P_{1}}{P_{1}}$$

$$P_{1} = \frac{T_{2}P_{1}}{P_{1}}$$

Calentamiento Isocóvico
$$\Delta V = + \Delta H = +$$

$$\Delta V = +$$

$$\Delta V$$

$$q = \Delta U$$
 $q = +$ endotéimico
 $W = 0$
 $\Delta U = q - M$
 $\Delta U = q$

Entriamiento isocórico 1 DM > [DU] 15 =

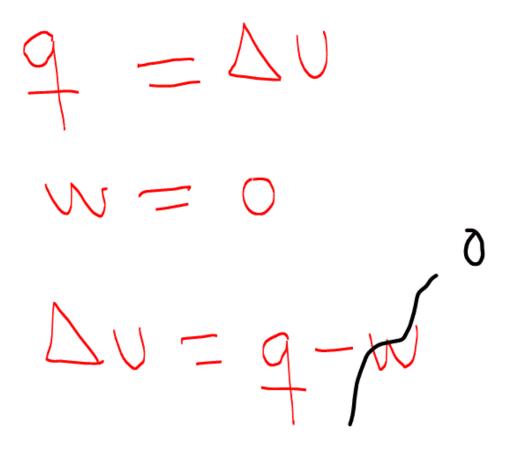
Diatómico Triatomico 19/2R Subarico 9 = DH = hCp Modelo perfecto Cpy(v=ctes

$$LS = NC_V \int_{T}^{T}$$

$$LS = NC_V |_{N} T_Z$$

$$S_1 T_Z > T_1 \qquad \Delta S = + \text{ Calentamento}$$

$$S_1 T_Z < T_1 \qquad \Delta S = -\text{ entiremento}$$



Modelo i deal.

$$dx = nCpdT$$

$$Cp = f(T)$$

$$Cp = Q + bT + CT^2 + dT^3$$

$$dx = n \left[q + bT + cT^2 + dT \right] dT$$

$$\Delta H = N \left[\alpha \right] dt + b \left[T dt + c \right] T^{2} dt$$

$$T_{1} \qquad T_{1} \qquad T_{1} \qquad T_{1}$$

$$\Delta H = h \left[q(Tz-T_1) + \frac{1}{2}(T_1^2 - T_1^2) + \frac{1}{3}(T_2^3 - T_1^3) + \frac{1}{3}(T_2^3 - T_1^3$$

$$\Delta U = N \left((A-R)(T_2-T_1) + \frac{1}{2}(T_2-T_1^2) + \frac{1}{3}(T_2-T_1^2) + \frac{1}{4}(T_2-T_1^2) \right)$$

$$\Delta S = N \left(\alpha - R \right) \ln \frac{\pi}{T_1} + b \left(\frac{7}{7} - \frac{2}{7} \right) + \frac{d}{3} \left(\frac{3}{7} - \frac{3}{7} \right)$$

$$O \cup R = Mismas unidades$$

$$O = \frac{Cal}{mol K} \qquad R = \frac{Cal}{mol K}$$