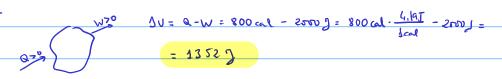
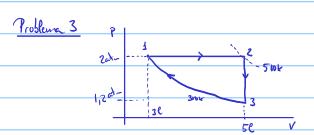


- SIS	ر ار <i>ه</i> ، ر	°F = 1,8 °C +	- 32°F		
		•			
		X = 1.8	X + 32 =	X (1-1,8) = 32	$X = \frac{32}{-0.18} = -40$
		<i>N</i> 1/2			-018
_ 3z°F	٥'د		-40°F = -1	40°C	

## Problema 2





		atm	l	k
		Р	٧	T
-	4	2	3	300
	2	2	5	500
	_3	1,7	50	300 №

C) isolárica 
$$DV = nCv \cdot DT = nCv \cdot (T_2 - T_1) = nCv \cdot (500k - 300k) = nCv \cdot 200k$$

$$= 613.16J$$

$$DV_{12} = nCv \cdot DT = nCv \cdot (T_3 - T_2) = nCv \cdot (300k - 500k) = -nCv \cdot 200k$$

$$= -613.16J$$

$$= -613.16J$$

```
(p-W=R => Cp=R+Cv= 201/2k+301/2k=5001/2k.
             D) instaira Q: = n Cp. ST = 0,2439 me. 5 cal. (500k-300k) = 243,9 cal.
                              ino cora Q23 = n Cy ST = 0,2439 of . 3 cm/ (300 - 500k) = -146,34 cal.
                              isoterma Q31 = W31 (AU31=0) Q31 = -74,75 al
                                                                                 Q11 = Q12 + Q23 + Q31 = 22,81 cal W1 = 22,85 cal
                     Como en el ciclo total DV=0 => Q=to y efectivamente; solvo
                        decimales Q11 = V11 = 22,81 cal. 2 95,6 J.
Mosterna 4

| 1 | P=Jahn. | J | P=Jahn. | gas

| 1 | P=Jahn. | J | P=Jahn. | gas

| 1 | Vi? | B

| 1 | Vi? | B

| 1 | Vi? | B
         n: 25g = 1,389 moles. L: 580al/g Al convertire en color re expande de V:0.025e alor de vaporiración a...?? Atrora es gas, hugo.
    6= m.L = 25g. 580alg: 14500 cd.
                                                                                                                                                                                 V= nRT = 1,389m. 0,082 ct. 293,15k = 33,396 l
       Color que absorbe para cambiar de
estado
                                                                                                                                                                           El trabajo que hace el gan es (p=cte).
    egle = \frac{V}{V} \implies V = \frac{W}{P} = \frac{25g}{1 \text{ kg/le}} = 0.025e
                                                                                                                                                                  W = p. DV = lat. (33,38(1-0,0256) = 33,36/at. e=
                                                                                                                                                                                                                 = 813.76 cal
                       DU = Q-W = 14500 cal - 813,76 cal = 13 686,24 cal.
           \frac{\text{Problum 5}}{\text{DT}} = \frac{\text{Q} = \text{m} \cdot \text{C} \cdot \text{DT}}{\text{Q}} = \frac{\text{p} \cdot \text{V} \cdot \text{C} \cdot \text{DT}}{\text{Q}} = \frac{1 \text{kg}}{\text{Q}} \cdot \frac{\text{sdy}^2}{\text{Q}} \cdot \frac{1 \text{cal}}{\text{Q}} \cdot 25^{\circ} \text{C} \cdot \frac{\text{looy}}{\text{Q}} = \frac{125 \text{ ord}}{\text{Q}} = \frac{125 \text{ ord}}{\text{Q}} \cdot \frac{100 \text{ g}}{\text{Q}} = \frac{125 \text{ loo}}{\text{Q}} \cdot \frac{100 \text{ g}}{\text{Q}} = \frac{125 \text{ loop}}{\text{Q}} = \frac{125 \text{ loo
                                       10jol Agua liquida.
```

Problema 6 Q = M C·ST Omtal = M. Contal . Strutal Quen = m. Cayra · STagne. Questal Cagne STagner STagner STagner Constal VI, misma cantidad, 1000 cal. STnotal > DTagna. Can = Odor = 3,74 kd = 0,234 al Poslena 8 Q = m·C·ST m= 250g C = 0.2 cal/g.c

Tr = 5°C Tr = 59°F = 15°C

C = F-32 = 59°F - 32°F = 15°C Q= 250g. 0.2 cd. (15°c-5°c) = 500 cd