

① $C = 1,5 \frac{\text{cal}}{^{\circ}\text{C}}$
 $C_e = ?$
 $m = 2g$

$C_e = \frac{Q}{m \Delta T}$

$C_e = \frac{C}{m}$

$C_e = \frac{1,5}{2}$

$C_e = 0,75 \frac{\text{cal}}{g \cdot ^{\circ}\text{C}}$

② $C = ?$
 $m = 200g$
 $\checkmark C_{\text{Agua}} = 1 \frac{\text{cal}}{g \cdot ^{\circ}\text{C}}$

$C_e = \frac{C}{m}$

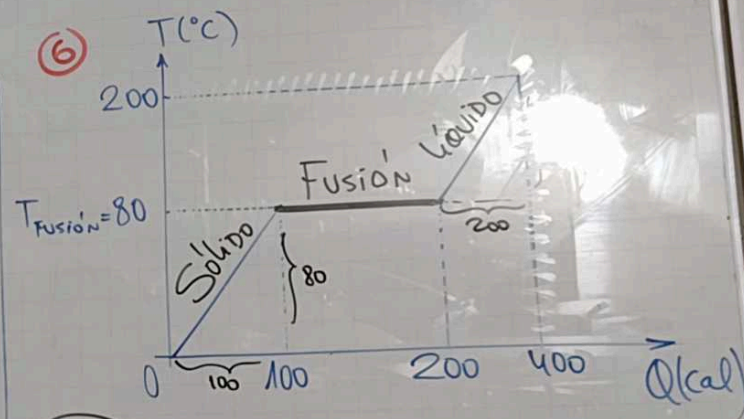
$1 = \frac{C}{200}$

$C = 200 \frac{\text{cal}}{^{\circ}\text{C}}$

- ③ I) VERDAD
 II) VERDAD
 III) VERDAD
 IV) VERDAD



- ④ I) Falso
 II) Falso
 III) Falso
 IV) Falso



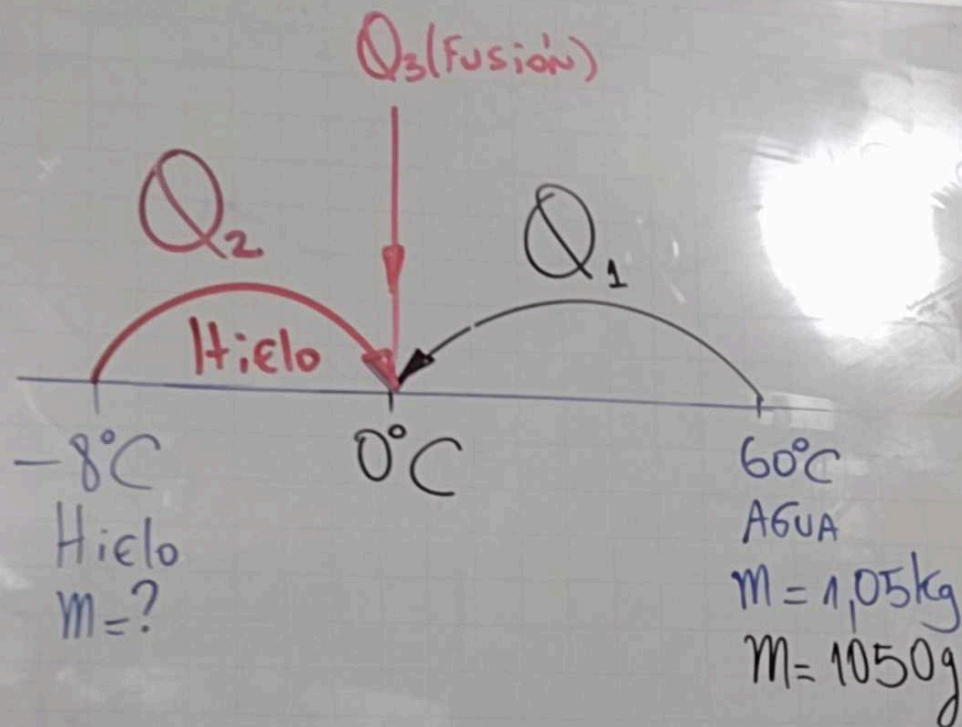
$C = \frac{Q}{\Delta T}$

$C_{\text{Sólido}} = \frac{100}{80} = \frac{5}{4}$

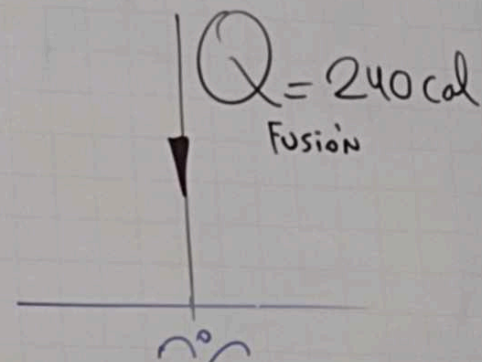
$C_{\text{Líquido}} = \frac{200}{120} = \frac{5}{3}$

$\frac{C_{\text{Sólido}}}{C_{\text{Líquido}}} = \frac{\left(\frac{5}{4}\right)}{\left(\frac{5}{3}\right)} = \frac{3}{4}$

(16)



(13)



$$Q_1 = m C_e \Delta T = 1050 (1) (60) = 63000 \text{ cal} \checkmark$$

$$Q_2 = m C_e \Delta T = m (0,5) (8) = 4m$$

$$Q_3 = m L_F = m (80) = 80m$$

$$Q_2 + Q_3 = Q_1$$

$$84m = 63000$$

$$\boxed{m = 750 \text{ g}}$$

(ERRITE)

de hielo

(8)

$$L_{\text{Fusión}} = ?$$

$$m = 10g$$

$$Q = 500 \text{ cal}$$

$$Q = mL$$

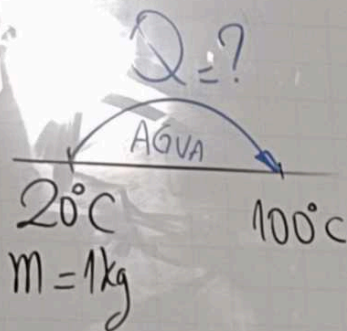
$$500 = 10 L_F$$

$$L_F = 50 \frac{\text{cal}}{g} \times$$

(11)

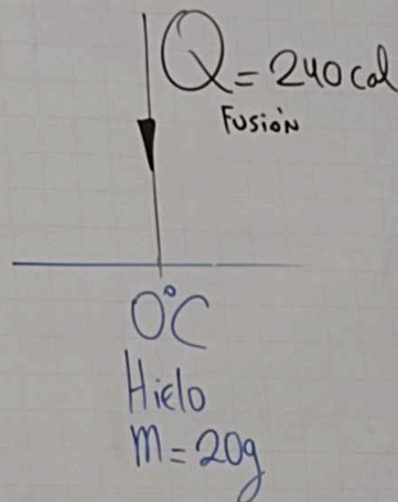
E)

(12)



$$Q = m C_e \Delta T$$
$$= (1)(1)(80)$$
$$= 80 \text{ kcal} \times$$

(13)



$$Q_F = mL_F$$

$$240 = m' (80)$$

$$\boxed{m' = 3g} \text{ (SE DERRITE)}$$

Rpta: 17g de hielo \times