Ejercicio nº 22. T1.

Datos

$t_f = ?$

2 litros H_2O.

$Q = 5$ kcal.

$t_0 = 20°C$

$C_e = 1 \frac{cal}{g \cdot °C}$.

$$Q = m \cdot C_e \Delta T \Rightarrow \Delta T = \frac{Q}{m \, C_e} = \frac{5000}{2000 \cdot 1} =$$

$$= 2'5\,°C.$$

$$\Delta T = t_f - t_0 \Rightarrow t_f = \Delta T + t_0 = 2'5 + 20 =$$

$$= 22'5\,°C.$$