

Ejercicio n° 2 T1

Datos

$$m = 80 \text{ kg}$$

$$t = 6 \text{ h}$$

$$m' = 10 \text{ kg}$$

$$s = 20 \text{ km}$$

Energ. en cal = ?

$$W = F \cdot d = m g \cdot d = (80 + 10) \cdot 9.8 \cdot 20 \cdot 10^3$$
$$= 17640000 \text{ J} \cdot \frac{1 \text{ cal}}{4.18 \text{ J}} = 4220095.694 \text{ cal}$$

$$4220.09 \text{ kcal}$$