

Ejercicio n° 21. T1.

Datos

$$W = ?$$

$$m = 1000 \text{ kg.}$$

$$h = 10 \text{ m.}$$

$$v = 1 \text{ m/s.}$$

$$W_1 = E_p = mgh = 1000 \cdot 9.8 \cdot 10 = 98.000 \text{ J.}$$

$$W_2 = E_c = \frac{1}{2} m v^2 = \frac{1}{2} \cdot 1000 \cdot 1^2 = 500 \text{ J.}$$

$$W_T = W_1 + W_2 = 98.500 \text{ J.}$$