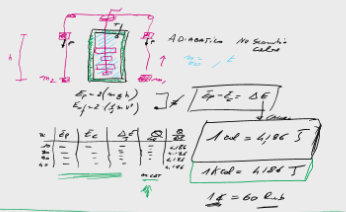


$100 \text{ g} \rightarrow 0.1 \text{ kg}$ $\Rightarrow 0.1 \text{ kg} \cdot 10 \text{ m/s}^2 = 1 \text{ N}$
 $dV = \frac{1}{2} \rho \cdot v^2 \cdot A \cdot dx$
 $V_{100} = \frac{1}{2} \rho \cdot v^2 \cdot A \cdot dx$
 $V_{100} = \frac{1}{2} \cdot 1000 \cdot (10)^2 \cdot 0.01 \cdot 0.1 = 5 \text{ J}$
 $\rho = 1000 \text{ kg/m}^3$
 $v = 10 \text{ m/s}$
 $A = 0.01 \text{ m}^2$
 $dx = 0.1 \text{ m}$

$E = E$

Esercizio
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Capacità termica $C = \frac{\Delta E}{\Delta T}$

Capacità termica $C = m \cdot c$

$m \cdot c = \frac{\Delta E}{\Delta T} \Rightarrow \Delta E = m \cdot c \cdot \Delta T$

$10 \text{ g Fe} \rightarrow 20 \text{ }^\circ\text{C}$
 $10 \text{ g H}_2\text{O} \rightarrow 20 \text{ }^\circ\text{C}$

$\Delta E = Q = m \cdot c \cdot \Delta T$

$70 \text{ }^\circ\text{C} \rightarrow 20 \text{ }^\circ\text{C}$
 $60 \text{ }^\circ\text{C} \rightarrow 20 \text{ }^\circ\text{C}$

$70 \text{ }^\circ\text{C} \rightarrow 20 \text{ }^\circ\text{C}$
 $60 \text{ }^\circ\text{C} \rightarrow 20 \text{ }^\circ\text{C}$