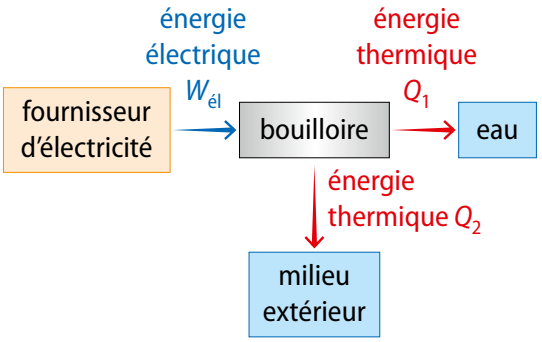
35 **1.**



2. $\eta = \dfrac{E_{utile}}{E_{dépensée}} = \dfrac{Q_1}{W_{él}} = \dfrac{\rho \cdot V \cdot c \cdot \Delta T}{P \cdot \Delta t}$

AN : $\eta = \dfrac{1{,}0 \times 0{,}40 \times 4{,}18 \times 10^3 \times (85 - 18)}{1\,500 \times 80} = 0{,}93 = 93\ \%$