

- 15 The total energy input  $E_{\text{in}}$  in a process is partly transferred to useful energy output  $U$  and partly transferred to energy that is wasted  $W$ .

What is the efficiency of the process?

A  $\frac{U}{E_{\text{in}}} \times 100\%$

B  $\frac{W}{E_{\text{in}}} \times 100\%$

C  $\frac{U}{W} \times 100\%$

D  $\frac{U+W}{E_{\text{in}}} \times 100\%$