

18 The energy conversions inside a power station burning fossil fuel can be simplified as shown.

chemical energy $W \rightarrow$ thermal energy $X \rightarrow$ electrical energy Y

Which expression gives the efficiency of the power station?

A $\frac{Y}{W}$

B $\frac{Y}{(W + X)}$

C $\frac{Y}{X}$

D $\frac{Y}{(W + X + Y)}$