

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