

**24** A horizontal beam of light is incident normally on a polarising filter. The incident light is vertically polarised and has an intensity of  $24 \text{ W m}^{-2}$ . The direction of the transmission axis of the filter is at an angle of  $30^\circ$  to the vertical.

What is the intensity of the light in the transmitted beam?

- A**  $18 \text{ W m}^{-2}$       **B**  $21 \text{ W m}^{-2}$       **C**  $28 \text{ W m}^{-2}$       **D**  $32 \text{ W m}^{-2}$