

- 8** The Earth takes 24 hours to complete one rotation on its axis.

What is the angular velocity of the Earth as it rotates on its axis?

- A**  $1.75 \times 10^{-3} \text{ rad s}^{-1}$
- B**  $1.99 \times 10^{-7} \text{ rad s}^{-1}$
- C**  $4.36 \times 10^{-3} \text{ rad s}^{-1}$
- D**  $7.27 \times 10^{-5} \text{ rad s}^{-1}$

**[Turn over**