

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