

**18** A body moves with simple harmonic motion and makes  $n$  complete oscillations in one second.

What is its angular frequency?

**A**  $n \text{ rad s}^{-1}$

**B**  $\frac{1}{2} \text{ rad s}^{-1}$

**C**  $2\pi n \text{ rad s}^{-1}$

**D**  $\frac{2\pi}{n} \text{ rad s}^{-1}$