

- 11** What is the mean speed and the mean angular velocity of the Earth in its orbit around the Sun?

The mean radius of the orbit is  $1.50 \times 10^{11}$  m.

	speed / m s <sup>-1</sup>	angular velocity / rad s <sup>-1</sup>
<b>A</b>	$2.99 \times 10^4$	$1.99 \times 10^{-7}$
<b>B</b>	$2.99 \times 10^4$	$7.27 \times 10^{-5}$
<b>C</b>	$1.09 \times 10^7$	$7.27 \times 10^{-5}$
<b>D</b>	$1.09 \times 10^7$	$1.99 \times 10^{-7}$