

- 14 The radius of the Earth's orbit about the Sun is  $1.50 \times 10^{11}$  m. The Earth takes 365 days to orbit the Sun.

What is the mass of the Sun?

- A  $6.40 \times 10^{29}$  kg
- B  $2.01 \times 10^{30}$  kg
- C  $1.16 \times 10^{33}$  kg
- D  $3.31 \times 10^{33}$  kg