

- 10** A satellite is in geostationary orbit above the Earth at a height of 36 000 km. The radius of the Earth is 6400 km.

What is the orbital speed of the satellite?

- A**  $490 \text{ m s}^{-1}$
- B**  $2200 \text{ m s}^{-1}$
- C**  $2600 \text{ m s}^{-1}$
- D**  $3100 \text{ m s}^{-1}$