

- 12** A driving force of 200 N is needed for a car of mass 800 kg to travel along a level road at a speed of 20 ms^{-1} .

What power is required to maintain the car at this speed up a gradient in which the car rises 1 m for each 8 m of travel along the road?

A 6.0 kW

B 7.2 kW

C 20 kW

D 24 kW