

15 A car of mass 1000 kg travels up a hill at constant speed. It gains 87 m in height travelling a distance of 500 m. The total frictional force is 580 N.

What is the work done by the driving force?

A  $0.85 \times 10^6$  J

B  $1.14 \times 10^6$  J

C  $4.90 \times 10^6$  J

D  $5.19 \times 10^6$  J