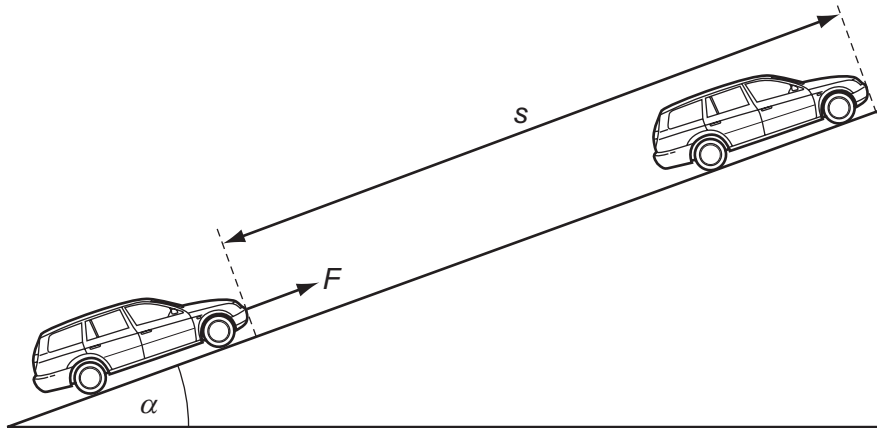


- 16** A constant force F , acting on a car of mass m , moves the car up the slope through a distance s at constant velocity v . The angle of the slope to the horizontal is α .



Which expression gives the efficiency of the process?

A $\frac{mgs \sin \alpha}{Fv}$

B $\frac{mv}{Fs}$

C $\frac{mv^2}{2Fs}$

D $\frac{mg \sin \alpha}{F}$

- 17** Atmospheric pressure at sea level has a value of 100 kPa