

17 An object of mass 0.30 kg is thrown vertically upwards from the ground with an initial velocity of 8.0 m s^{-1} . The object reaches a maximum height of 1.9 m.

How much work is done against air resistance as the object rises to its maximum height?

A 4.0 J

B 5.6 J

C 9.6 J

D 15 J

18 A racing car has an output power of 200 kW when travelling at a constant speed of 60 m s^{-1} .