

- 17** A projectile of mass 0.25 kg is at a height of 30 m above horizontal ground and travelling at a speed of 15 ms^{-1} . A short time later, it is at a height of 35 m above the horizontal ground and travelling at a speed of 5.0 ms^{-1} .

How much work is done against air resistance during this time?

A 0 J

B 13 J

C 25 J

D 37 J