

**15** A car of mass 1000 kg first travels forwards at  $25 \text{ m s}^{-1}$  and then backwards at  $5 \text{ m s}^{-1}$ .

What is the change in the kinetic energy of the car?

**A** 200 kJ

**B** 300 kJ

**C** 325 kJ

**D** 450 kJ