

- 17** An egg of mass 25 g falls vertically downwards from the surface of a table which is 900 mm above the ground. Air resistance is negligible.

What is the kinetic energy of the egg when it hits the ground?

- A** 0.023 J **B** 0.22 J **C** 23 J **D** 220 J

- 18** A car is travelling at a constant speed of 50 m s⁻¹ in a straight line. The engine is producing a constant power of 100 kW. The car is travelling on a horizontal road. The resistance to the motion of the car is 2000 N. The car is travelling at a constant speed of 50 m s⁻¹. The engine is producing a constant power of 100 kW. The car is travelling on a horizontal road. The resistance to the motion of the car is 2000 N.