

**1** Which value is an estimate of the kinetic energy of a car travelling at a speed of  $90 \text{ km h}^{-1}$  on the expressway in Singapore?

- A**  $3.1 \times 10^2 \text{ J}$       **B**  $3.1 \times 10^5 \text{ J}$       **C**  $3.1 \times 10^8 \text{ J}$       **D**  $3.1 \times 10^{11} \text{ J}$